

TOP SECRET

25X1

April 1964

25X1

# NOTICE

Attached are revised and additional sections of the [redacted] Supplement, Evaluation of Evidence on Soviet Guided Missile Production, a continuing report of the Production Working Group of the Guided Missiles and Astronautics Intelligence Committee. These should be inserted in alphabetical order by location in the looseleaf binder of this publication.

25X1

The following changes should be made in pen and ink by the recipient in the unrevised sections:

Omsk, section 0, page 1 -- in listing, make read "Rocket Test Facility" (deleting the word "suspect");

Omsk, section 0, pages 2 and 3 -- in annotations on map and photo, make read "Rocket Test Facility" (deleting the word "suspect");

Perm, section 0, page 1 -- in listing, make read "Rocket Test Facility" (deleting word "suspect");

Perm, section 0, pages 2 and 3 -- in annotations on map and photo, make read "Rocket Test Facility" (deleting the word "suspect");

Perm, section 1, page 1 and Perm, section 2, page 1 continued--in last line on both pages, make read "Rocket Test Facility" (deleting the words "suspect").

**DECLASS REVIEW by NIMA/DOD**

TOP SECRET

25X1

TOP SECRET

April 1964

25X1

# TABLE OF CONTENTS

|   | <u>Section</u> | <u>No of Pages</u> |
|---|----------------|--------------------|
| INTRODUCTION . . . . .                          | -              | 2                  |
| DNEPROPETROVSK . . . . .                        | 0              | 3                  |
| DMDPC, Plants Post Boxes 186, 192, and 203 .    | 1*             | 6                  |
| DMDPC Test Facility . . . . .                   | 2*             | 3                  |
| IVANKOVO . . . . .                              | 0              | 3                  |
| Ivankovo Aircraft Plant . . . . .               | 1              | 3                  |
| KRASNOYARSK . . . . .                           | 0*             | 3                  |
| Armaments Plant No 4 . . . . .                  | 1*             | 3                  |
| Rocket Test Facility** . . . . .                | 2*             | 3                  |
| KUYBYSHEV . . . . .                             | 0              | 3                  |
| Airframe Plants No 1 and No 18 . . . . .        | 1              | 6                  |
| Aircraft Engine Plant No 24 . . . . .           | 2              | 3                  |
| Rocket Test Facility at Kurumoch . . . . .      | 3*             | 3                  |
| MOSCOW . . . . .                                | 0              | 3                  |
| Missile Development Plant No 88, Kaliningrad    | 1              | 4                  |
| Special Design Bureau (OKB)/Plant No 456,       |                |                    |
| Khimki . . . . .                                | 2*             | 3                  |
| Rocket Test Facility near Zagorsk . . . . .     | 3              | 5                  |
| OMSK . . . . .                                  | 0              | 3                  |
| Aircraft Engine Plant No 29 . . . . .           | 1              | 3                  |
| Airframe Plant No 166 . . . . .                 | 2              | 4                  |
| Rocket Test Facility** . . . . .                | 3*             | 3                  |
| PEIPING . . . . .                               | 0              | 3                  |
| Rocket Test Facility at Chang-hsin-tien . . . . | 1              | 3                  |

TOP SECRET

25X1

25X1

Approved For Release 2003/12/19 : CIA-RDP78T04757A00025X10018-8

~~TOP SECRET~~

April 1964

## TABLE OF CONTENTS (Continued)

|  | <u>Section</u> | <u>No of Pages</u> |
|--|----------------|--------------------|
| PERM . . . . .                                 | 0              | 3                  |
| Armaments Plant No 172 . . . . .               | 1              | 3                  |
| Aircraft Engine Plant No 19 . . . . .          | 2              | 4                  |
| Rocket Test Facility** . . . . .               | 3*             | 3                  |
| SARATOV . . . . .                              | 0              | 3                  |
| Airframe Plant No 292 . . . . .                | 1              | 3                  |
| TBILISI . . . . .                              | 0              | 3                  |
| Aircraft Assembly Plant No 31 . . . . .        | 1*             | 3                  |
| UFA . . . . .                                  | 0              | 3                  |
| Aircraft Engine Plants No 26A and No 26B . . . | 1              | 5                  |
| Suspect Test Facility . . . . .                | 2              | 3                  |
| VORONEZH . . . . .                             | 0              | 3                  |
| Suspect Rocket Test Facility . . . . .         | 1*             | 3                  |
| ZAPOROZHYE . . . . .                           | 0              | 3                  |
| Aircraft Engine Plant No 478 . . . . .         | 1              | 3                  |
| ZLATOUST . . . . .                             | 0 (new)        | 3                  |
| Armaments Plant No 66 . . . . .                | 1 (new)        | 3                  |

---

\*Revised sections issued as of April 1964.

\*\*Revised designations (namely, dropping the qualifier "suspect" which was used in the designations of certain rocket test facilities in the earlier edition).

~~TOP SECRET~~

TOP SECRET

25X1

April 1964

25X1

DNEPROPETROVSK MISSILE DEVELOPMENT  
AND PRODUCTION CENTER (DMDPC),  
PLANTS POST BOXES 186, 192, AND 203\*

PHOTOGRAPHIC CHRONOLOGY

25X1 [ ] of Dnepropetrovsk in 1944 showed a plant under  
construction in the area now identified as the Dnepropetrovsk Missile  
25X1 Development and Production Center (DMDPC). The plant was again viewed  
on far-oblique photography [ ] and at that time only Plant Post Box  
186 was visible. The plant was operational at that time. Poor-quality  
25X1 vertical [ ] showed the same site,  
but cloud and haze precluded photographic interpretation.

25X1 The first [ ] photography of the site in [ ] 25X1  
showed Plant Post Box 186, Plant Post Box 192, and an associated test area.  
At that time the excavation for an unidentified structure was apparent at  
Plant Post Box 192 (item 2, Figure 4). The structure itself was still under 25X1  
25X1 construction in [ ]. Photography since [ ]  
[ ] has revealed the construction of three additional significant buildings  
(items 3 and 1A, Figure 2, and item 4, Figure 4). These buildings appeared  
complete or nearly complete in [ ] 25X1

Because of improved mensuration techniques and better quality  
photography, measurements given in the tables on Figures 2 and 4 may  
vary from previously published measurements.

EVALUATION

The Dnepropetrovsk Missile Development and Production Center  
(DMDPC), consisting of organizations using Post Boxes 186, 192, and 203,  
is believed to be developing and manufacturing rocket engines and surface-  
to-surface ballistic missiles. Through 1960, the DMDPC produced the

\*Post Box 203 is unlocated but known to be in Postal/Telegraphic Zone 8, the same zone used by  
Plants Post Boxes 186 and 192. The activity of Post Box No 203 is discussed in the GMAIC Pro-  
duction Working Group Continuing Report, [ ]

25X1

Dnepropetrovsk 1-1

TOP SECRET

25X1

TOP SECRET

25X1

April 1964

25X1

25X1 Series 51 (SS-3, 700-nm) and Series 63 (SS-4, 1,000-nm) missiles and probably produced the Series 61 (SS-IB, 150-nm) missile. In addition, the DMDPC was involved in the development of Series 63 and Series 61 missile systems. [ ] the DMDPC has been directly involved in the development of second-generation Category B ICBM (SS-7) and probably has been involved in some way with the Series 65 (SS-5, 2,000-nm) missile. It now appears probable that the DMDPC produced both the Series 65 and Category B ICBM. Some of these missile systems or subsystems may have since been phased into other facilities.

In addition to military production, the facilities that constitute the DMDPC also are known to be producing refrigerators, some type of electrical equipment, and Belarus tractors.

Photography of the entire installation reveals more than 6 million sq ft of roof cover of which at least 4.5 million sq ft is estimated to be involved in the above military programs. Photographic interpretation cannot determine areas of missile final assembly at this facility.

25X1 The high-bay building (item 18, Figure 2) in Plant Post Box 186 is considered to be for hydrostatic test or checkout of missile tankage or stages, which could relate to both the missile production and development roles at the DMDPC. [ ] have reported engine horizontal testing in the western part of the Plant Post Box 186 area [ ] 25X1 Test stands of this type have not been detected in this area.

The purpose of the additional assembly area constructed [ ] 25X1 is not known. Although suggestive of a new program, it may merely reflect a general expansion or modification of plant capability.

For evaluation of the DMDPC Test Facility, see Dnepropetrovsk, section 2, page 1.

Dnepropetrovsk 1-1 (Continued)

TOP SECRET

25X1

25X1

Approved For Release 2003/12/19 : CIA-RDP78T04757A000200010018-8

April 1964

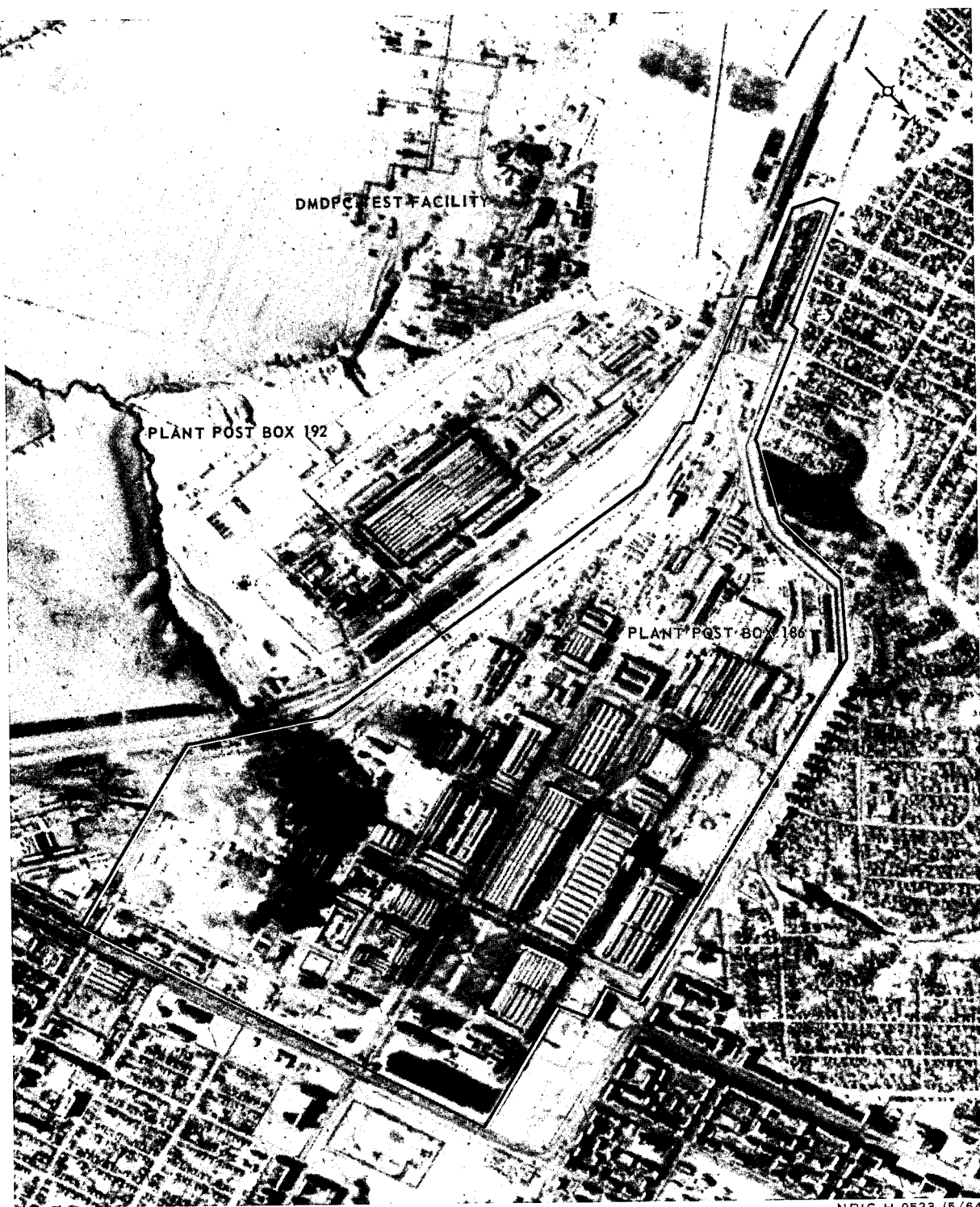


FIGURE 1. USSR: PLANT POST BOX 186 AT DMDPC, DNEPROPETROVSK

NPIC H-9523 (5/64)

25X1

25X1

Dnepropetrovsk 1-2

Approved For Release 2003/12/19 : CIA-RDP78T04757A000200010018-8

April 1964

25X

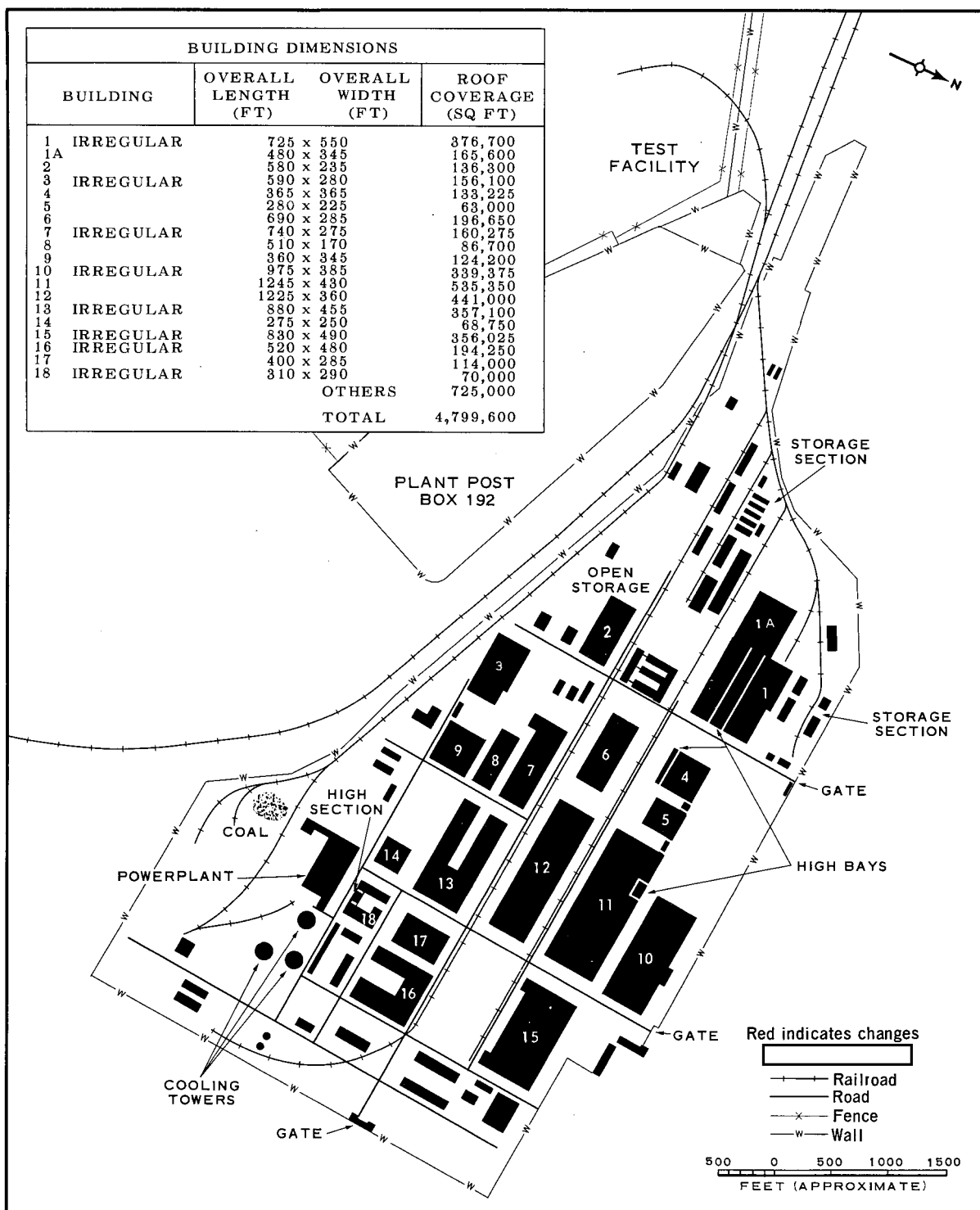


FIGURE 2. USSR: LAYOUT AND ROOF COVERAGE OF PLANT POST BOX 186 AT DMDPC, DNEPROPETROVSK.

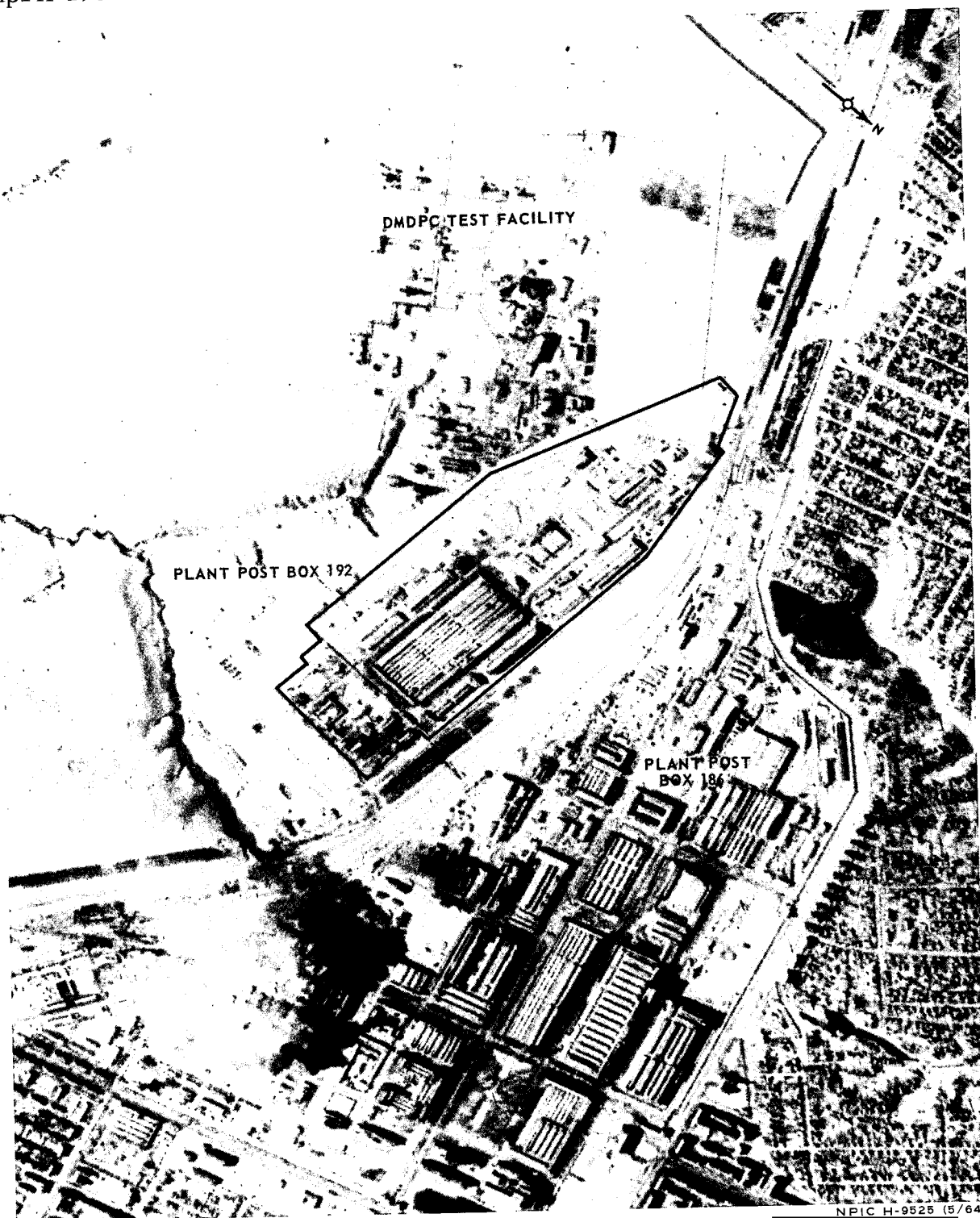
Dnepropetrovsk 1-3

25X

TOP SECRET

25X1

April 1964



NPIC H-9525 (5/64)

FIGURE 3. USSR: PLANT POST BOX 192 AT DMDPC, DNEPROPETROVSK

Dnepropetrovsk 1-4

TOP SECRET

25X1

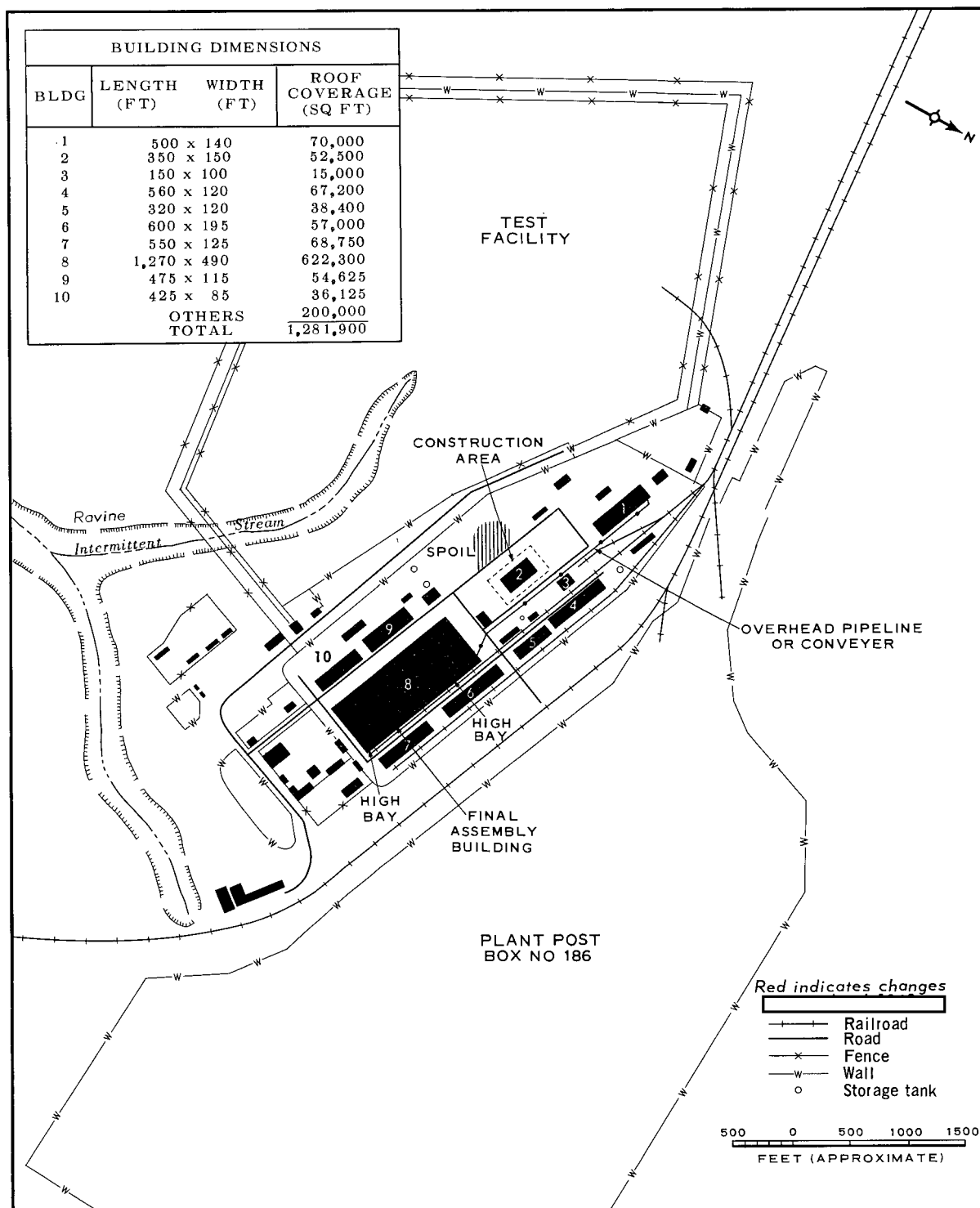
25X1



25X1

April 1964

25X1



25X1

FIGURE 4. USSR: LAYOUT AND ROOF COVERAGE OF PLANT POST BOX 192 AT DMDPC, DNEPROPETROVSK.

NPIC H-9526 (5/64)

Dnepropetrovsk 1-5

TOP SECRET

25X1

25X1

April 1964

25X1

## DNEPROPETROVSK: DMDPC TEST FACILITY

### PHOTOGRAPHIC CHRONOLOGY

The DMDPC Test Facility was first viewed on

25X1

25X1

At that time three test stands and numerous support structures were visible.\* Coverage until

25X1

25X1

was relatively poor over this installation, and no major changes were discernible.

25X1

photography was good and revealed a number of changes as well as details heretofore not discernible. The area had been enlarged by the extension of the fence line to the west, a new building (item 4, Figure 2) had been constructed, and a system of overhead pipelines was revealed for the first time. Blast marks were observed at two of the stands (items 1 and 2) in

25X1

### EVALUATION

25X1

The presence of a test area associated with the DMDPC, first reported by is confirmed by the photography. Three vertical stands (items 1, 2, and 3, Figure 2) are discernible and deemed operational. Two of these (probably items 2 and 3) were not previously reported in collateral information. Photographic resolution precludes distinction between engine and missile testing at this facility. Rail service is available from this area to both Plant Post Box 186 and Plant Post Box 192. The array of overhead pipelines, clearly defined on more recent photography, has apparently been a part of the facility since the time of early missions. A review of the other Soviet rocket test facilities reveals no similar overhead array, and the function of these pipelines at the DMDPC is yet to be determined. The existence of these pipelines was not reported by collateral sources during the mid-1950s. (See Missile Development and Production Center under Dnepropetrovsk, section 1, page 1.)

25X1

25X1

\*Collateral evidence indicates that two test stands were present in the area of Test Stand 1. One test stand is now identified at that location, but the possibility of a second test stand in the same vicinity cannot be ruled out.

25X1

Dnepropetrovsk 2-1

25X1

TOP SECRET

25X1

April 1964

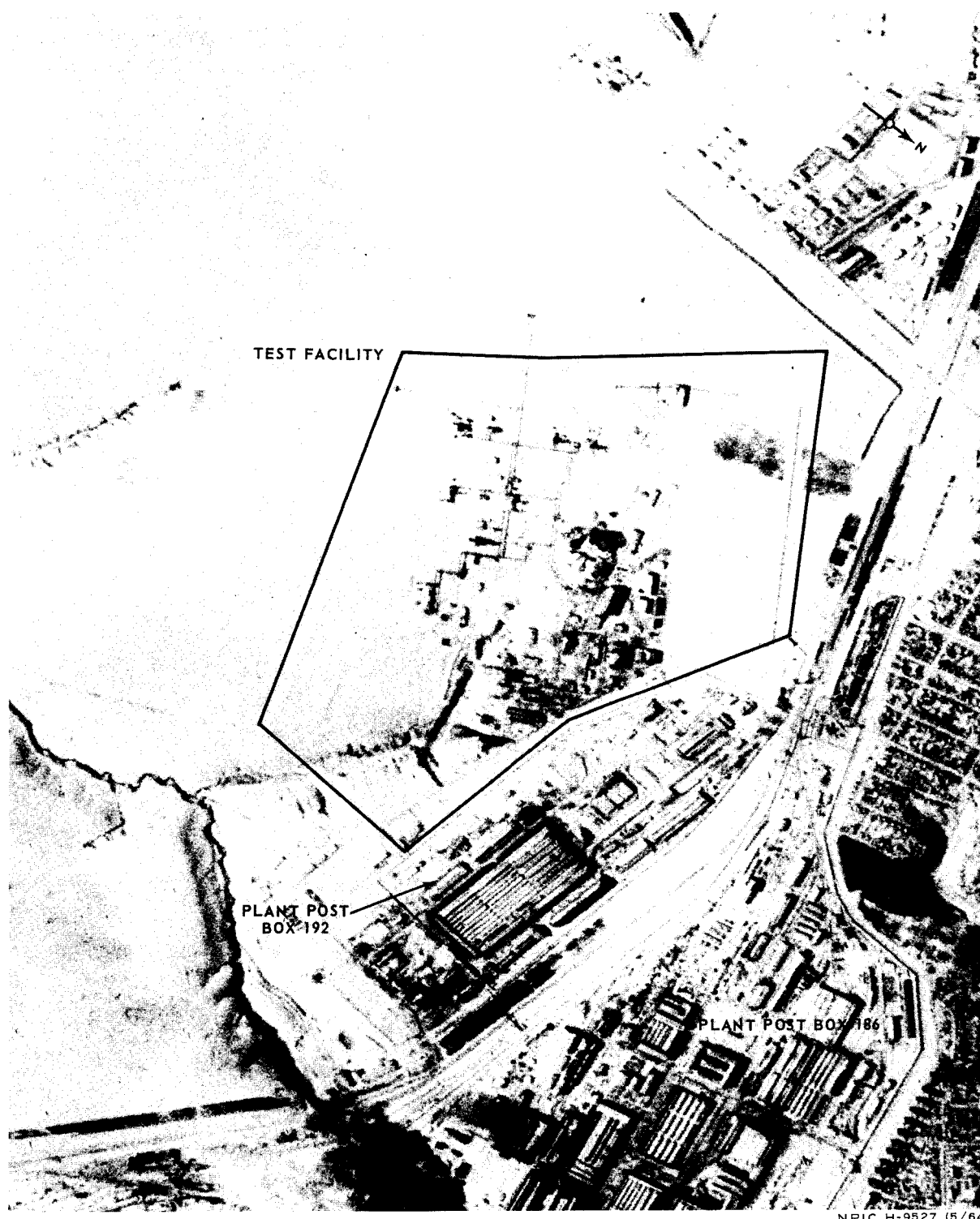


FIGURE 1. USSR: DMDPC TEST FACILITY AT DNEPROPETROVSK

Dnepropetrovsk 2-2

TOP SECRET

25X1

25X1

April 1964

25X1

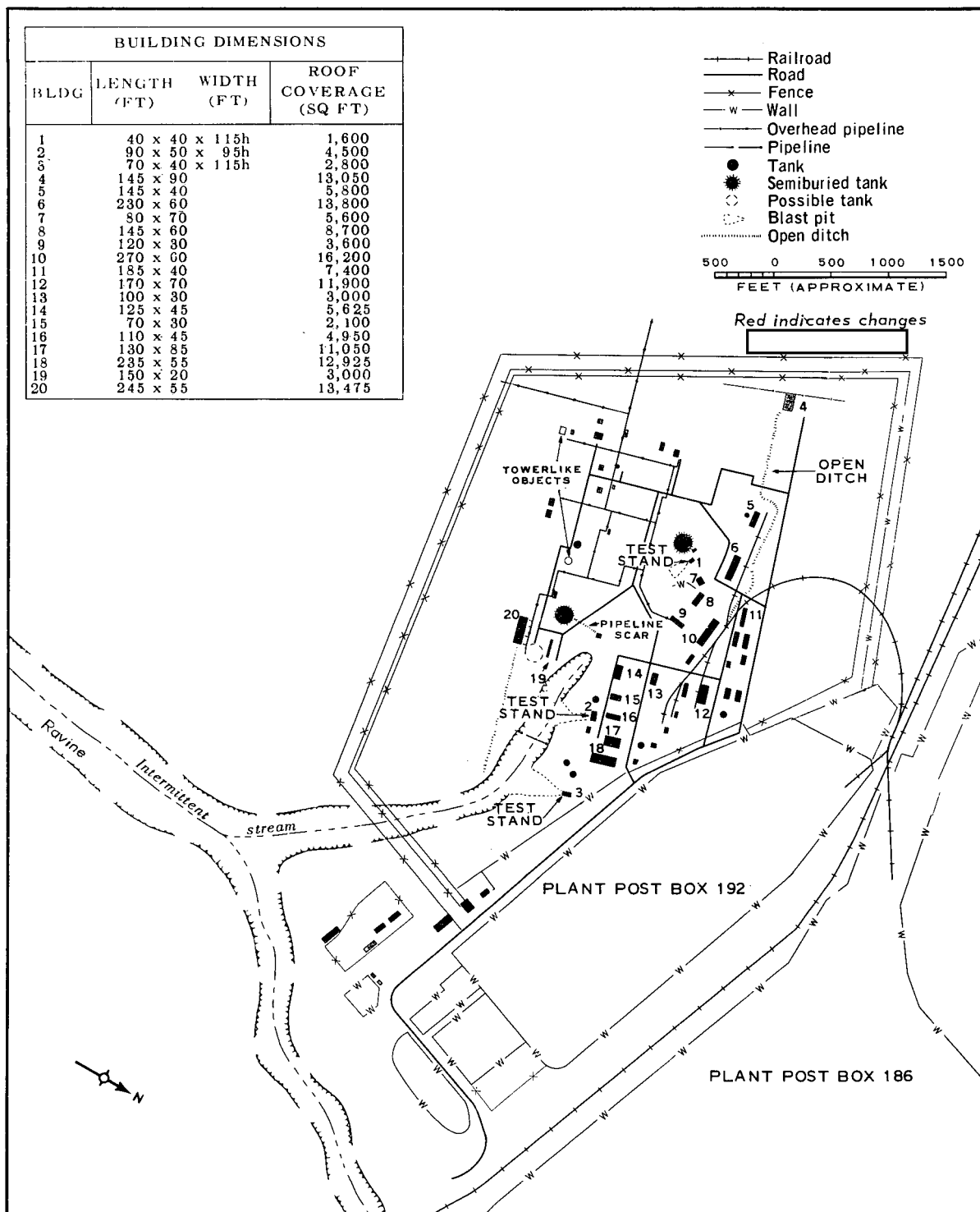


FIGURE 2. USSR: LAYOUT AND ROOF COVERAGE OF DMDPC TEST FACILITY AT DNEPROPETROVSK.

Dnepropetrovsk 2-3

TOP SECRET

25X1

April 1964

25X1

## KRASNOYARSK

### Section

City of Krasnoyarsk

0

Armaments Plant No 4 at Krasnoyarsk

1

56-00N 92-59E;

25X1

Rocket Test Facility

2

56-05N 93-27E;

25X1

Krasnoyarsk 0-1

TOP SECRET

25X1

25X1

April 1964

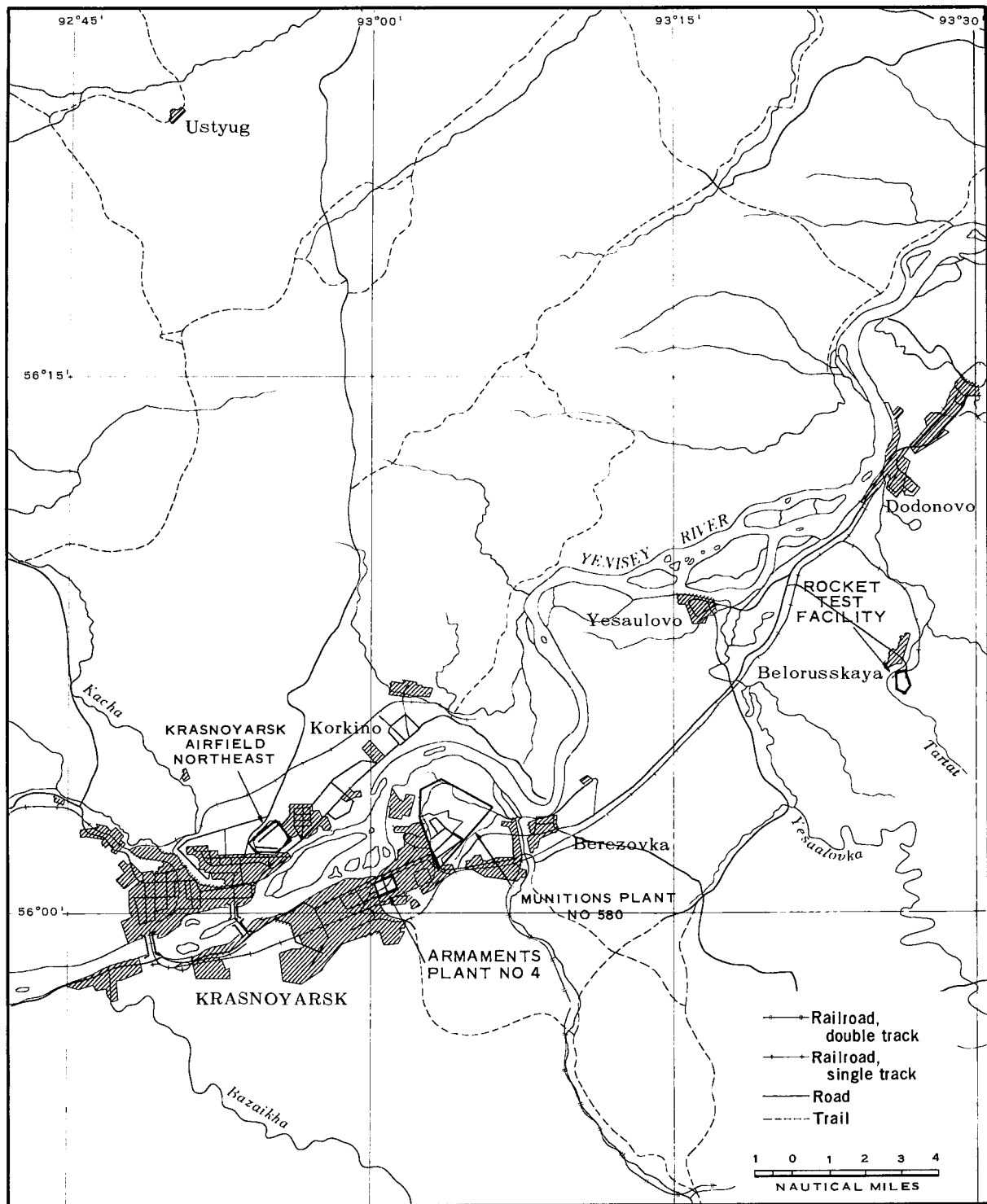


FIGURE 1. USSR: CITY OF KRASNOYARSK.

NPIC H-9529 (5/64)

Krasnoyarsk 0-2

April 1964

25X1

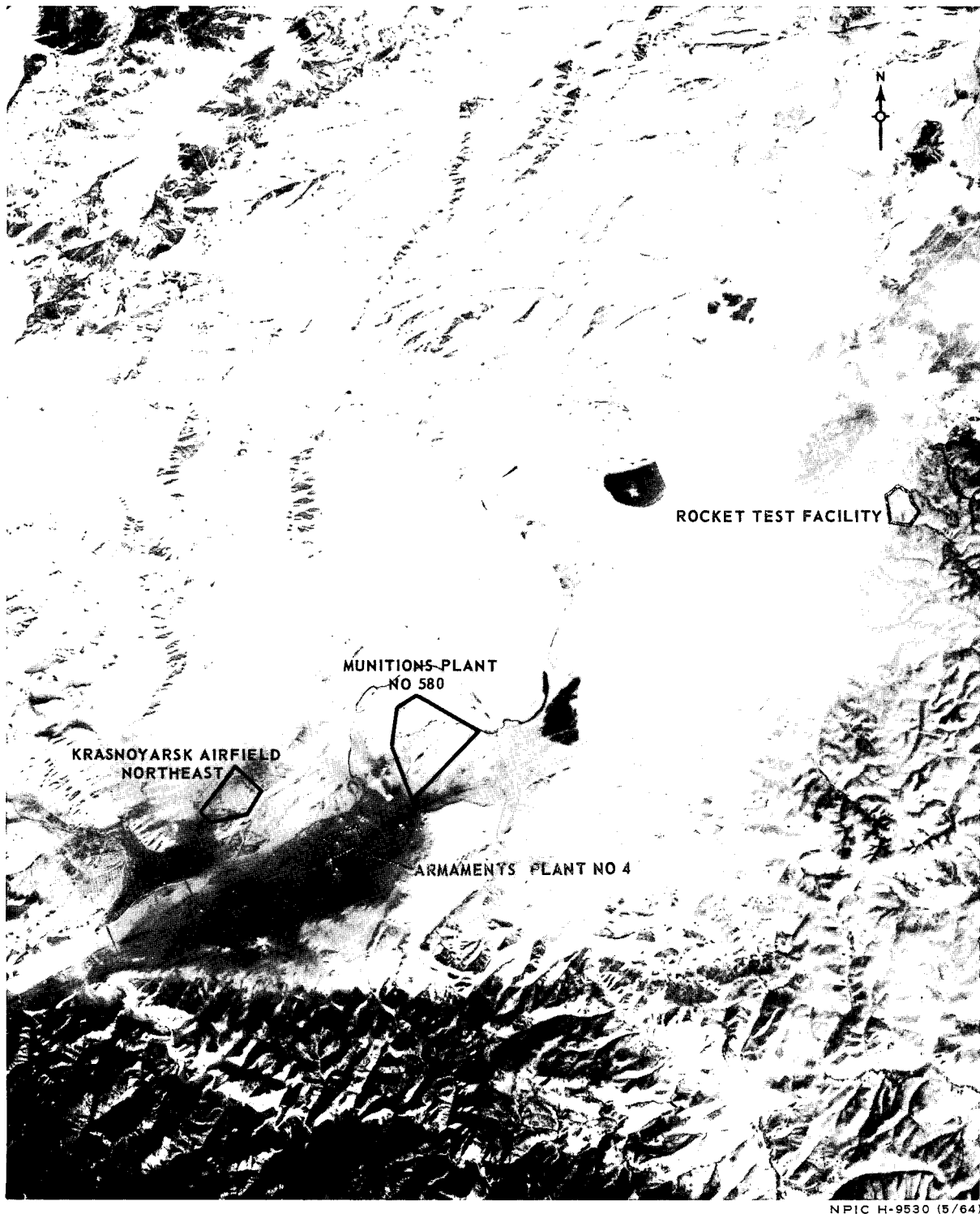


FIGURE 2. USSR: CITY OF KRASNOYARSK

25X1

Krasnoyarsk 0-3

TOP SECRET

April 1964

25X1

## KRASNOYARSK: ARMAMENTS PLANT NO 4

### PHOTOGRAPHIC CHRONOLOGY

This plant was first seen on

25X1

25X1

At that time the plant consisted of a fenced area of approximately 200 acres containing buildings with a roof cover of approximately 1,550,000 sq ft. Subsequent although poor in quality, revealed the addition of several buildings. The largest of the additions, a fabrication and assembly building (item 1), was under construction when first seen and appeared complete by

25X1

25X1

25X1

### EVALUATION

25X1

provides an association between Armaments Plant No 4 and the Soviet guided missile production program. The unidentified organizations with telegraphic addresses SIGNAL and SKALA are engaged in activities which appear to be related in some manner to those of Plant No 4, although the possibility exists that the activities of these two entities are equally related to some undertaking of the Krasnoyarsk Atomic Energy Complex which is located north of the city. The nature of the organizations and locations connected with Plant No 4 suggests the possibility of production of missiles or missile-related equipment. The concurrent activities at SIGNAL and SKALA at locations of Plant No 4 operations northeast of Krasnoyarsk suggest a relationship between the three organizations, which in itself would indicate an expansion of Plant No 4's interests.

25X1

Plant expansion at this plant amounts to over 800,000 square feet. This is considered a highly significant addition to the plant's capability. evidence of the introduction of a new program into Plant No 4, probably beginning may be related to this expansion. However, photography neither confirms nor denies missile production. (See Rocket Test Facility under Krasnoyarsk, section 2, page .)

25X1

25X1

Krasnoyarsk 1-1

TOP SECRET

25X1



K1  
[ ]  
April 1964



NPIC H-9531 (5/64)

FIGURE 1. USSR: ARMAMENTS PLANT NO 4 AT KRASNOYARSK [ ]

25X1

Krasnoyarsk 1-2

April 1964

25X

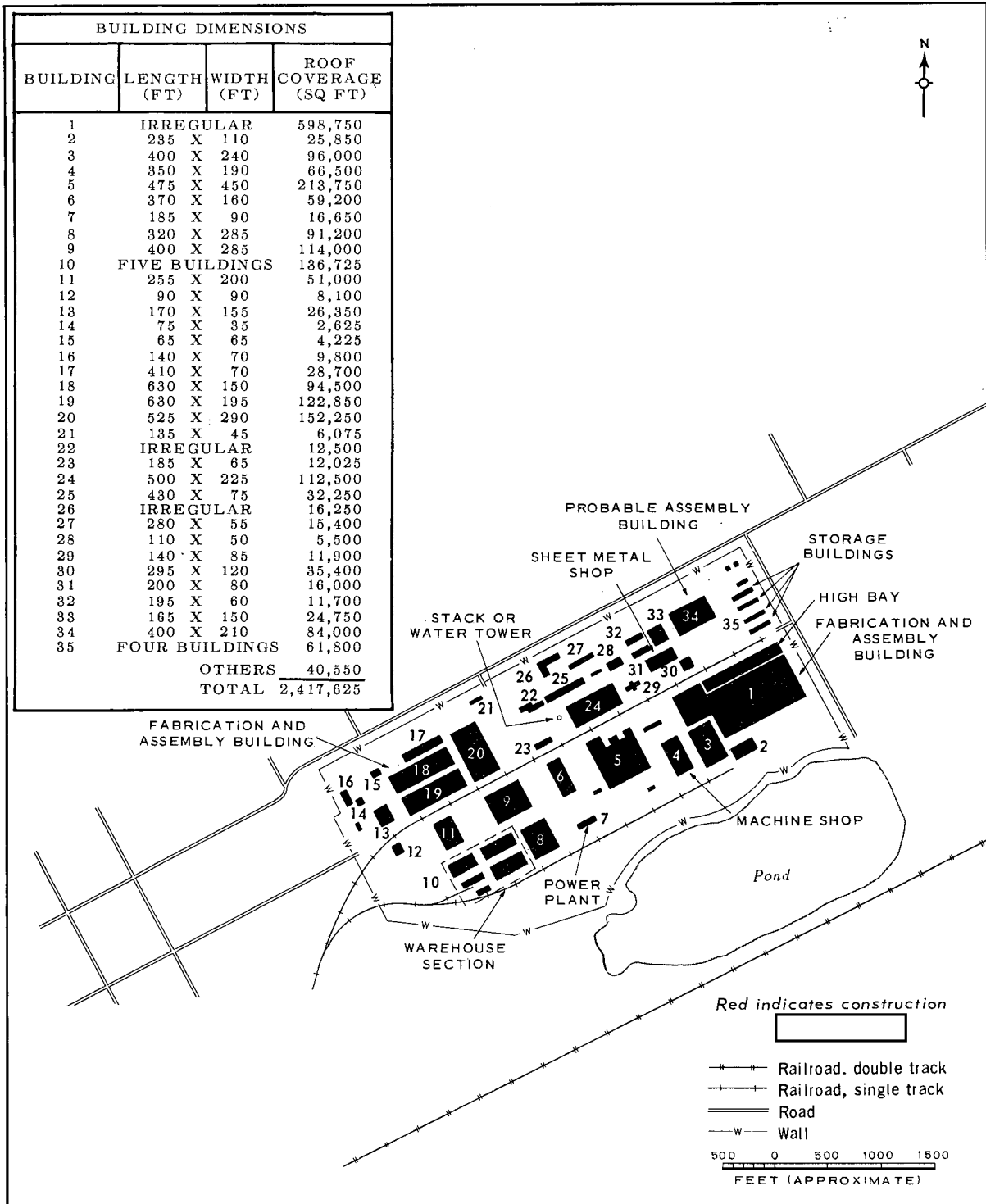


FIGURE 2. USSR: LAYOUT AND ROOF COVERAGE OF ARMAMENTS PLANT NO 4 AT KRASNOYARSK.

Krasnoyarsk 1-3

TOP SECRET

25X1

April 1964

25X1

## KRASNOYARSK: ROCKET TEST FACILITY

### PHOTOGRAPHIC CHRONOLOGY

GENETRIX photography showed no facility at this location in [ ] 25X1

25X1 [ ] however, some scarring was observed which may or may not have  
25X1 been directly related to construction of the facility. The test facility was  
first identified on photography from [ ]

25X1 [ ] although it had been observed on poor-resolution photography of

25X1 [ ] At that time the test stand was present and appeared complete  
although the facility itself was still under construction. Subsequent [ ]

25X1 [ ] photography reveals no major changes in the installation, although  
improved photo quality enables discernment of additional details. A dark  
tone on the flame deflector at the base of the test stand was seen in

25X1 [ ] and suggests recent activity.

### EVALUATION

Photography provides the principal information on this facility. Allowing for a two-year construction period following GENETRIX photography, the facility could not have been operational [ ] However, continuing construction noted [ ] supports a conclusion that construction probably began [ ] most likely operational date. Poor resolution of the photography precludes determination of missile or engine testing at this facility. (See Armaments Plant No 4 under Krasnoyarsk, Section 1, page 1).

25X1

25X1

25X1

Krasnoyarsk 2-1

TOP SECRET

25X1

25X1

April 1964



NPIC H-9533 (5/64)

FIGURE 1. USSR: ROCKET TEST FACILITY NEAR KRASNOYARSK

Krasnoyarsk 2-2

April 1964

25X1

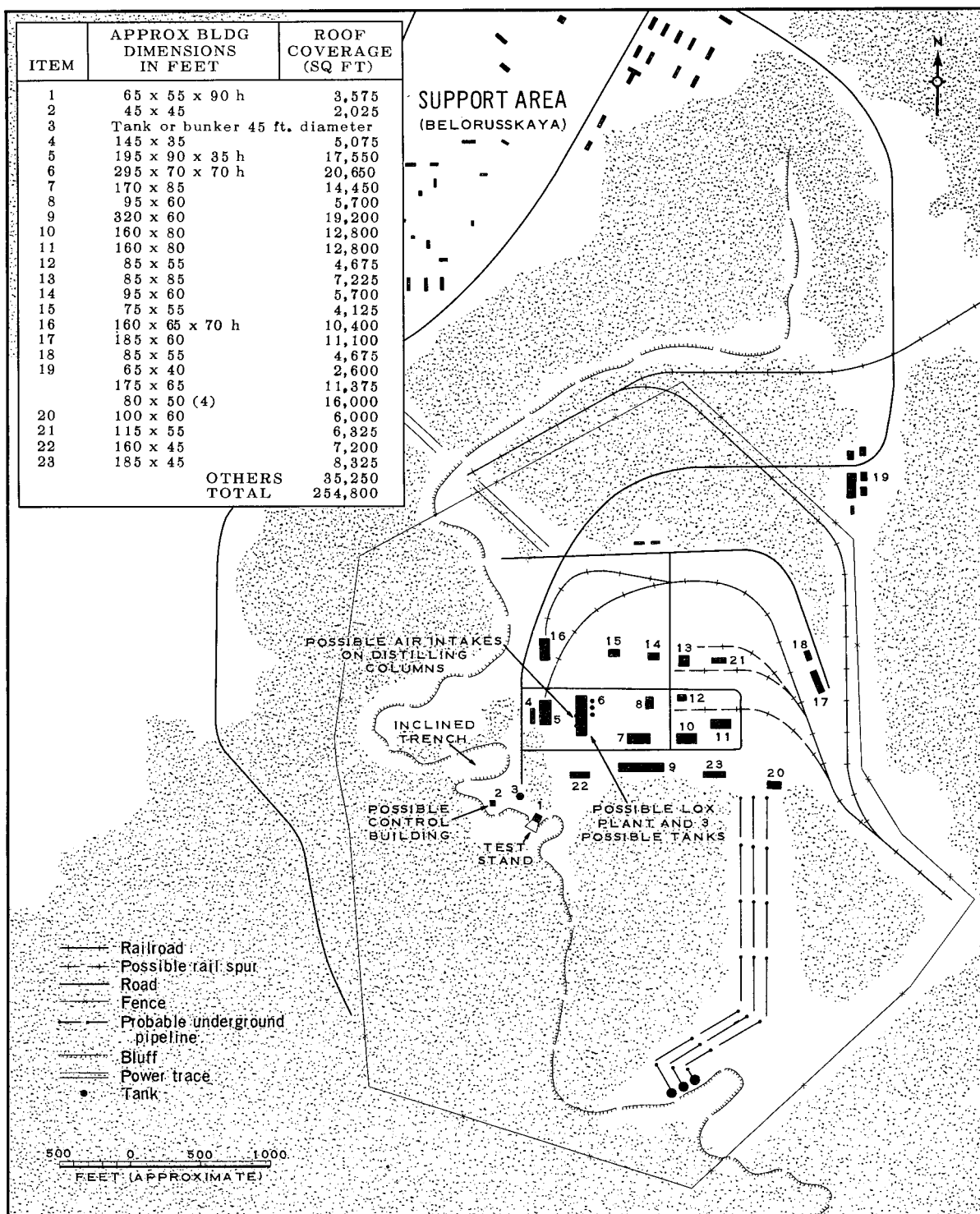


FIGURE 2. USSR: LAYOUT AND ROOF COVERAGE OF ROCKET TEST FACILITY NEAR KRASNOYARSK.

Krasnoyarsk 2-3

25X1

April 1964

25X1

## KUYBYSHEV: ROCKET TEST FACILITY AT KURUMOCH

### PHOTOGRAPHIC CHRONOLOGY

The Kurumoch test facility was first seen on [ ] photography of [ ] at which time it was in an early stage of construction. Subsequent [ ] photography has revealed that the site has been greatly enlarged.

25X1

The facility now contains two large vertical test stands (one in final stages of construction) and three smaller test stands. The large completed test stand (item 1, Figure 2) was under construction when first observed on [ ] and was seen to be complete on [ ] Blast marks were first visible on photography [ ] and were noted again on photography [ ] The second large test stand (item 2) was first seen under construction on photography of [ ] and was seen to be complete, or nearly complete, on photography of [ ].

25X1

25X1

25X1

The three smaller stands were confirmed as test stands on good-quality photography of [ ] Excavations for two of these stands had been present [ ] and the exteriors of all three appeared complete by [ ] no changes in the stands are apparent.

25X1

25X1

### EVALUATION

Photography provides the basic information on this facility, but the resolution of the photography precludes determination of the exact function of the test stands. To date, transportation vehicles have not been discernible. Estimated operational date for the first large test stand (item 1) is [ ] Although the other large test stand (item 2) appeared complete, or nearly complete, in [ ] its operational status has not been determined.

Kuybyshev 3-1

25X1

25X1

April 1964



NPIC H-9535 (5/64)

FIGURE 1. USSR: ROCKET TEST FACILITY AT KURUMOCH

Kuybyshev 3-2

TOP SECRET

25X1

25X1

TOP SECRET

April 1964

25X1

25X1

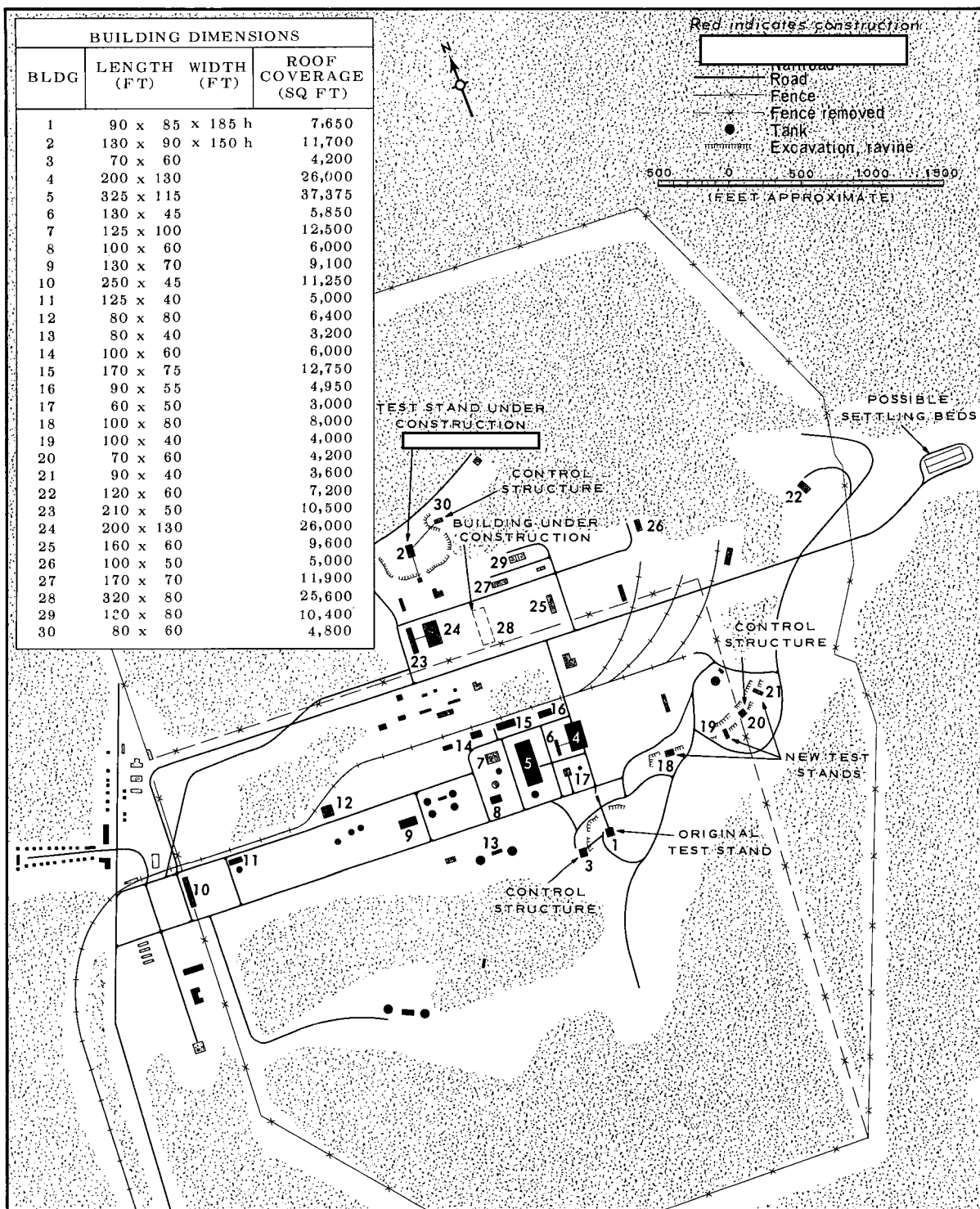


FIGURE 2. USSR: LAYOUT AND ROOF COVERAGE OF ROCKET TEST FACILITY AT KURUMOCH.

Kuybyshev 3-3

TOP SECRET

25X1



TOP SECRET

25X1

April 1964

25X1

## MOSCOW: SPECIAL DESIGN BUREAU

(OKB)/PLANT NO 456, KHIMKI

### PHOTOGRAPHIC CHRONOLOGY

25X1 Photography of [ ] the first good-quality photography of this installation, confirms the general layout of the plant area reported by collateral sources through [ ] Three possible test stands have been located, but details of these stands are difficult to discern. 25X1 Some additional details of the installation were revealed on photography of [ ] but 25X1 there were no major changes.

The precise extent of this facility is not known. Plant No 293 lies north-northeast of Plant No 456 and may be an associated facility. Also, considerable construction is underway adjacent to the plant area on the site of the former Khimki Airfield to the northwest of the plant, but there is presently no evidence associating this construction with Plant No 456. A heavy fence currently separates the plant from both Plant No 293 and the area where new construction is taking place.

### EVALUATION

Evidence concerning Special Design Bureau (OKB)/Plant No 456 in Moscow/Khimki (Figures 1 and 2) supports the conclusion that it is the major rocket engine research and development facility in the USSR. It is very probable that the rocket engines utilized on some, if not all, Soviet ICBMs and other missiles were developed at this plant.

Moscow 2-1

TOP SECRET

25X1

April 1964



FIGURE 1. USSR: SPECIAL DESIGN BUREAU (OKB)/PLANT NO 456, KHIKMI

25X1

Moscow 2-2

25X1

April 1964

25X1

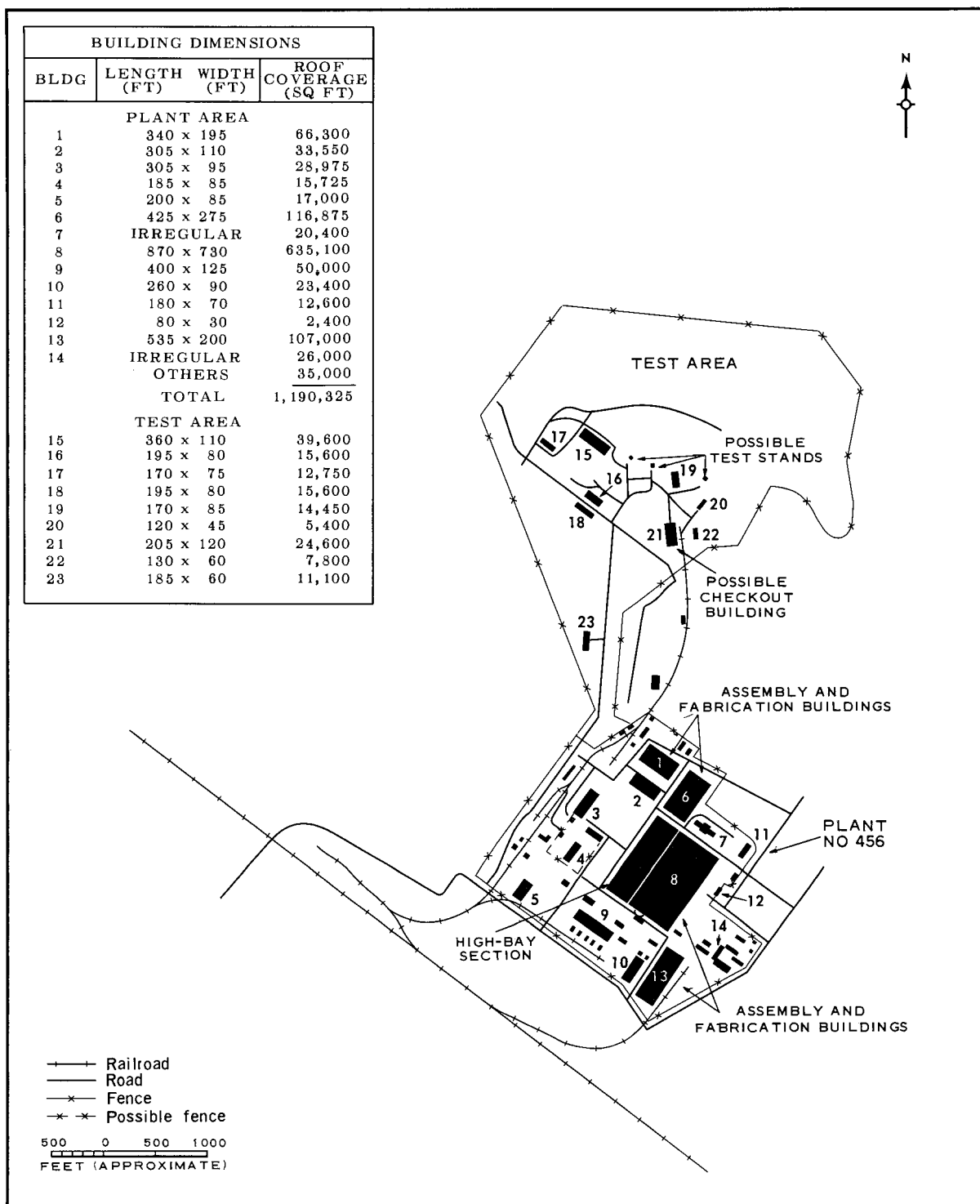


FIGURE 2. USSR: LAYOUT AND ROOF COVERAGE OF SPECIAL DESIGN BUREAU (OKB)/PLANT NO 456, KHIKMI.

Moscow 2-3

TOP SECRET

25X1

[REDACTED]

April 1964

25X1

## OMSK: ROCKET TEST FACILITY

### PHOTOGRAPHIC CHRONOLOGY

The Omsk Rocket Test Facility was first seen on [REDACTED] 25X1

25X1

[REDACTED] At that time the facility was under construction and a blast pit for a test stand was being excavated. This stand

25X1

appeared complete by [REDACTED] Construction activity at the site of a suspect second test stand was visible in [REDACTED].

25X1

Excavation was discernible in [REDACTED]

25X1

[REDACTED] indicates that construction continues in this area. No test tower is observable, but the activity strongly suggests that a second stand, somewhat smaller than the first, is under construction. A blast mark in the snow is visible at the first stand (see Figure 1) in a pattern similar to that appearing as scarred vegetation on photography of [REDACTED]

25X1

25X1

### EVALUATION

25X1

There is no [REDACTED] or other information which reflects the function of the facility revealed by photography. Scarred vegetation associated with Test Stand 1 indicated that the facility was operational at least by early [REDACTED] (See Omsk, sections 1 and 2, for facilities probably related to this facility.)

25X1

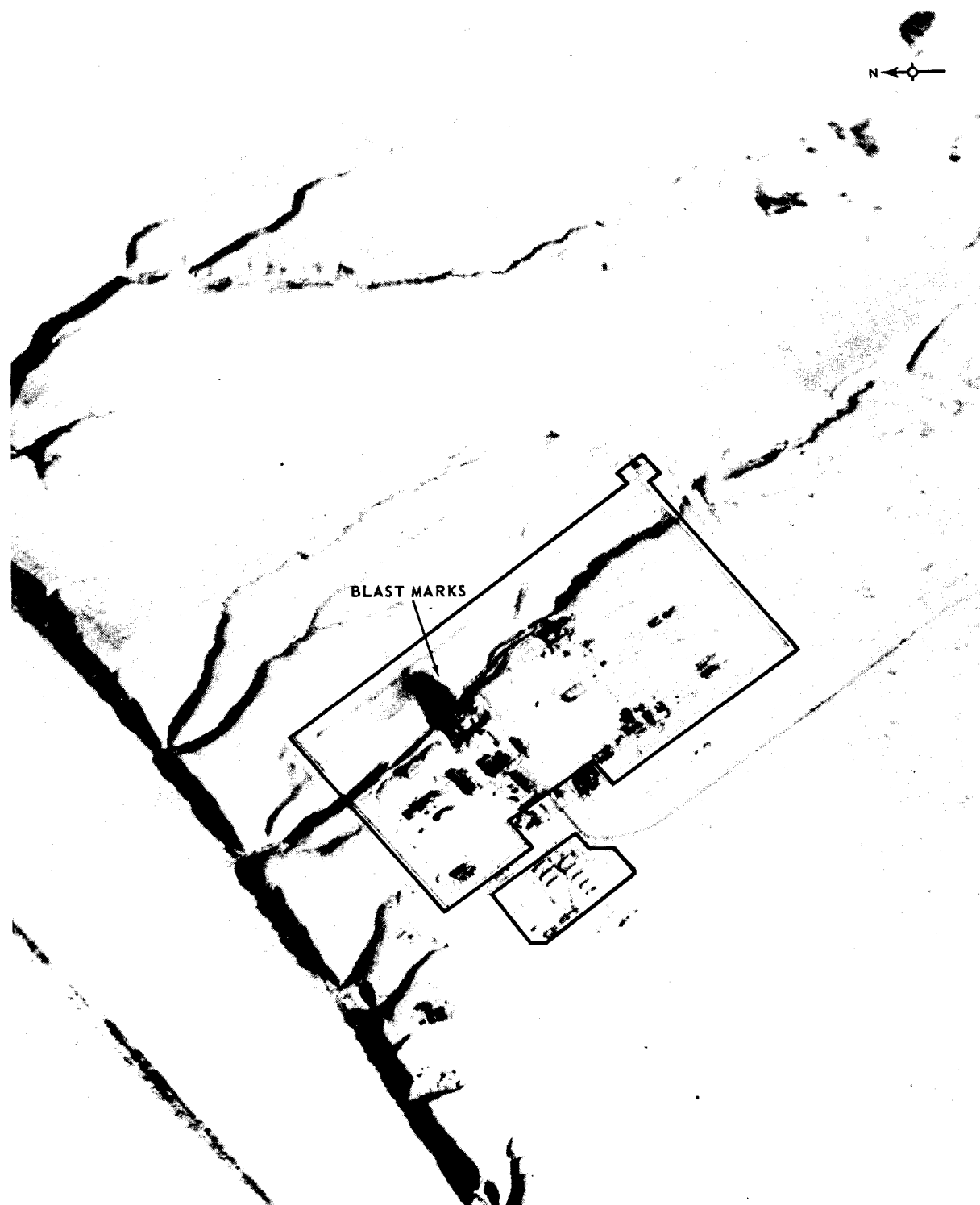
Omsk 3-1

TOP SECRET

25X1

25X1

April 1964



NPIC H-9539 (5/64)

FIGURE 1. USSR: ROCKET TEST FACILITY NEAR OMSK

Omsk 3-2

April 1964

25X1

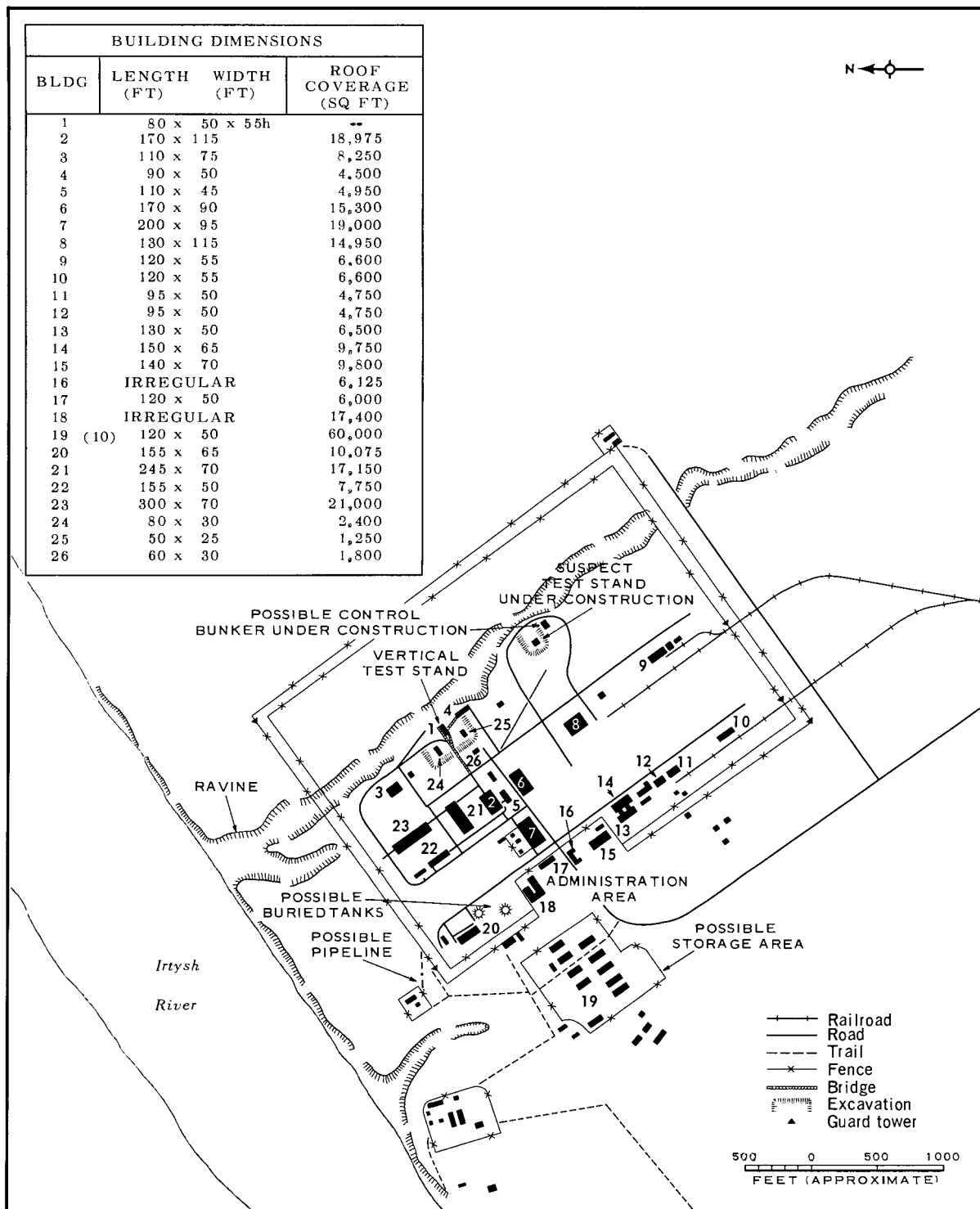


FIGURE 2. USSR: LAYOUT AND ROOF COVERAGE OF ROCKET TEST FACILITY NEAR OMSK.

Omsk 3-3

TOP SECRET

25X1

25X1

April 1964

25X1

## PERM: ROCKET TEST FACILITY

### PHOTOGRAPHIC CHRONOLOGY

This facility appeared to be complete and operational on photography  
25X1 [redacted] although no blast marks have been observed  
on that or on subsequent photography. When first seen on photography of  
25X1 [redacted] the major buildings were present, but the entering  
rail line and rail spurs were not complete. No changes were noted in

[redacted]  
25X1 [redacted] revealed some new activity. Two new structures could be observed  
approximately 700 feet north of the original test stand, and new earth  
scarring was evident in the central and southeastern parts of the area.

25X1

### EVALUATION

25X1 There is no [redacted] or other information which identifies the function  
of this facility. However, construction of a test facility at this location  
[redacted] has been reported. (See Perm, Sections 1 and 2, for facilities  
25X1 which may be related to the test area.)

Perm 3-1

25X1

25X1  
April 1964



NPIC H-9541 (5/64)

FIGURE 1. USSR: ROCKET TEST FACILITY AT PERM

25X1

Perm 3-2



25X1  
April 1964

25X1

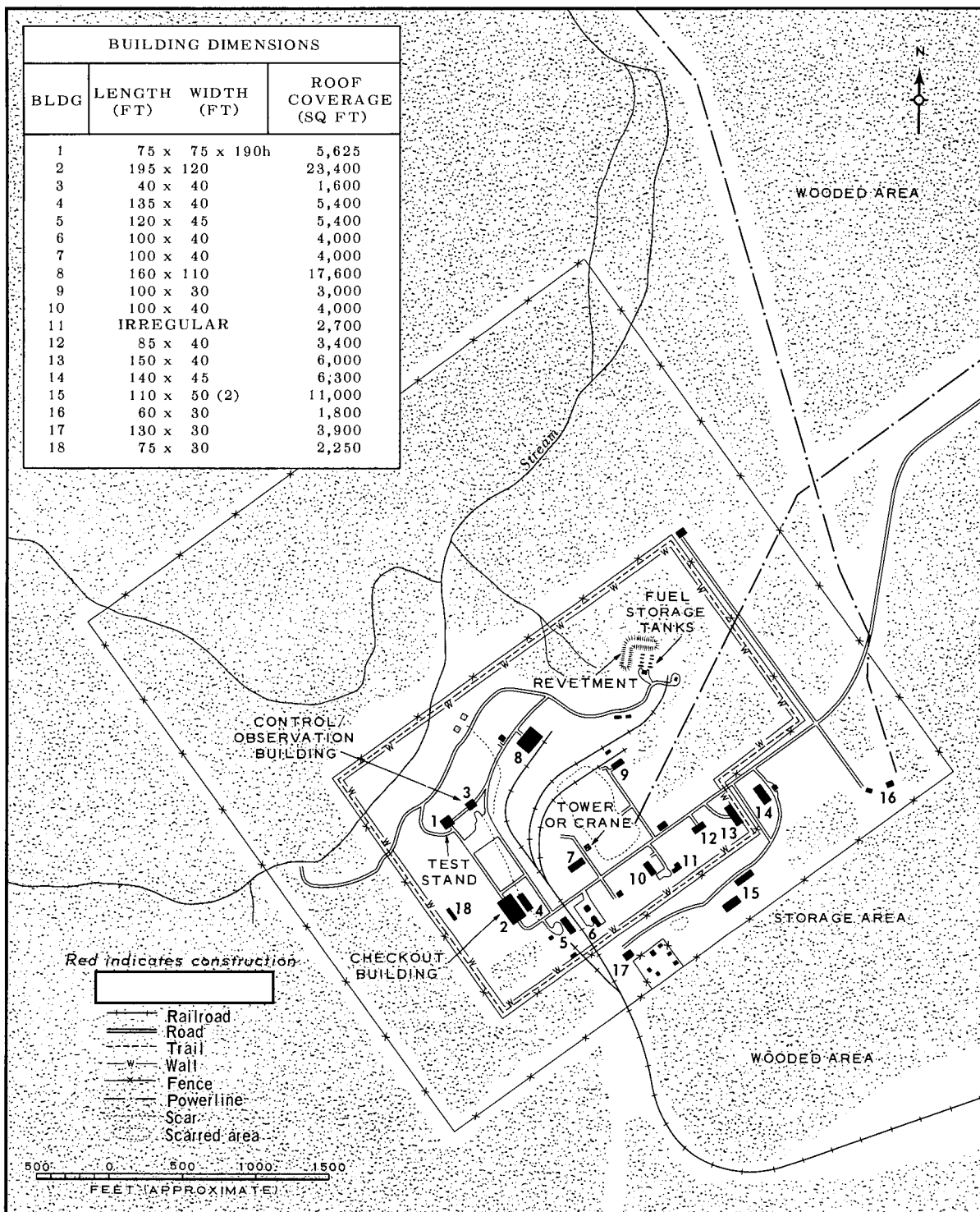


FIGURE 2. USSR: LAYOUT AND ROOF COVERAGE OF ROCKET TEST FACILITY AT PERM.

NPIC H-9542 (5/64)

Perm 3-3

25X1  
[ ]  
April 1964

## TBILISI: AIRCRAFT ASSEMBLY PLANT NO 31

### PHOTOGRAPHIC CHRONOLOGY

25X1 [ ] photography of the Tbilisi Aircraft Assembly Plant No 31  
25X1 obtained [ ] was of high quality. The first [ ] coverage was in 25X1  
25X1 [ ] photography from this mission revealed  
several additional buildings in the plant. Photography from subsequent  
25X1 [ ] missions of [ ] has revealed little change 25X1  
except for construction in progress on a large probable final assembly  
building (items 3 and 3A, Figure 2) southeast of the two main assembly  
buildings (items 1 and 2). When complete, this building will add 337,500  
sq ft to the roof coverage of the plant.

### EVALUATION

The Tbilisi Aircraft Assembly Plant No 31 is believed to be engaged in production of the TRUCKLE/KIPPER (K-10) and possibly the CHERUB/KANGAROO air-to-surface missiles (ASM). The plant produces FISHBED-type (MIG-21) aircraft. There is no indication that the plant is involved in production of ballistic missiles.

Photography of this facility neither confirms nor negates missile activity.

Tbilisi 1-1

25X1

25X1

April 1964

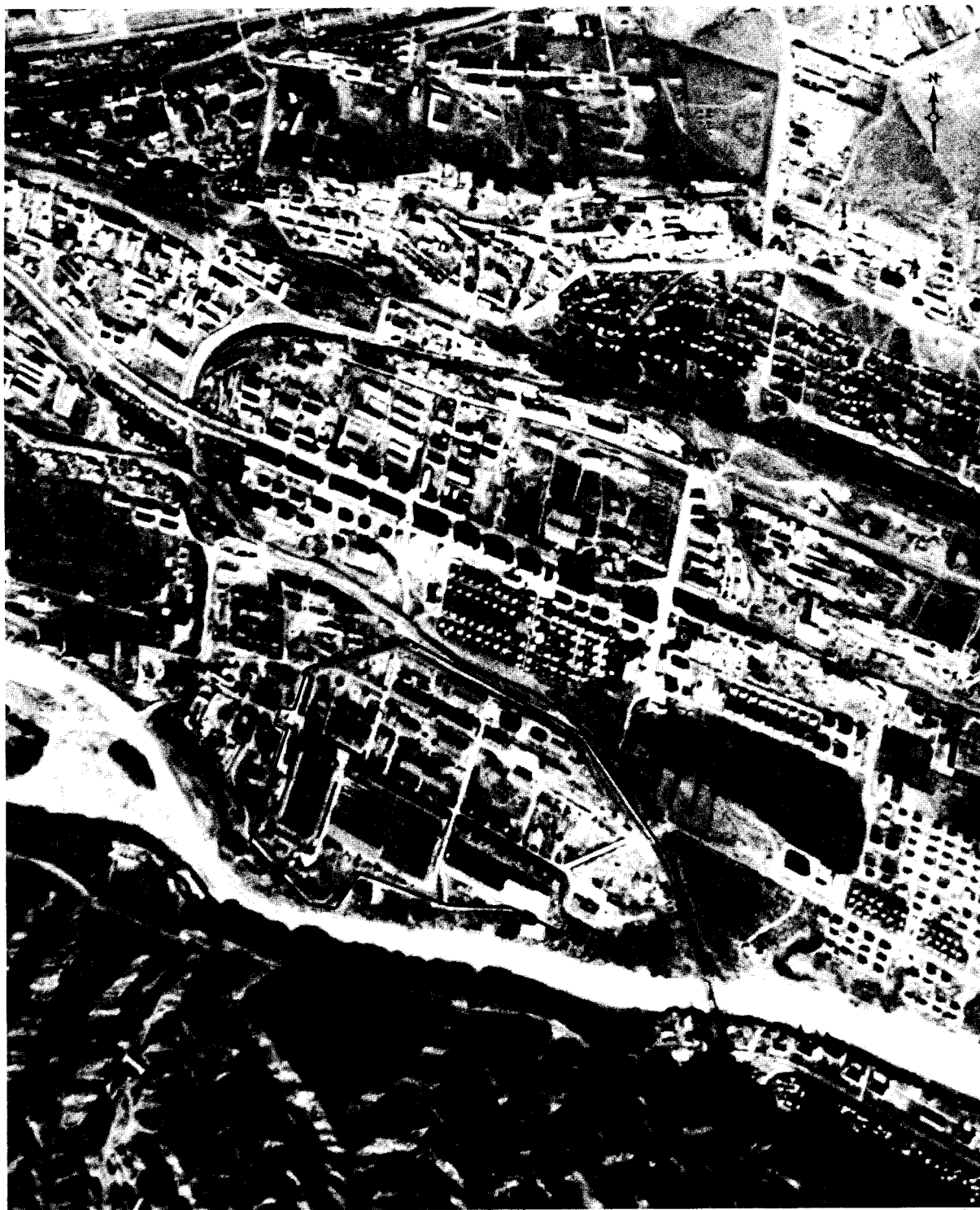


FIGURE 1. USSR: AIRCRAFT ASSEMBLY PLANT NO 31 AT TBILISI

Tbilisi 1-2

TOP SECRET

25X1

25X1

TOP SECRET

25X1

25X1

April 1964

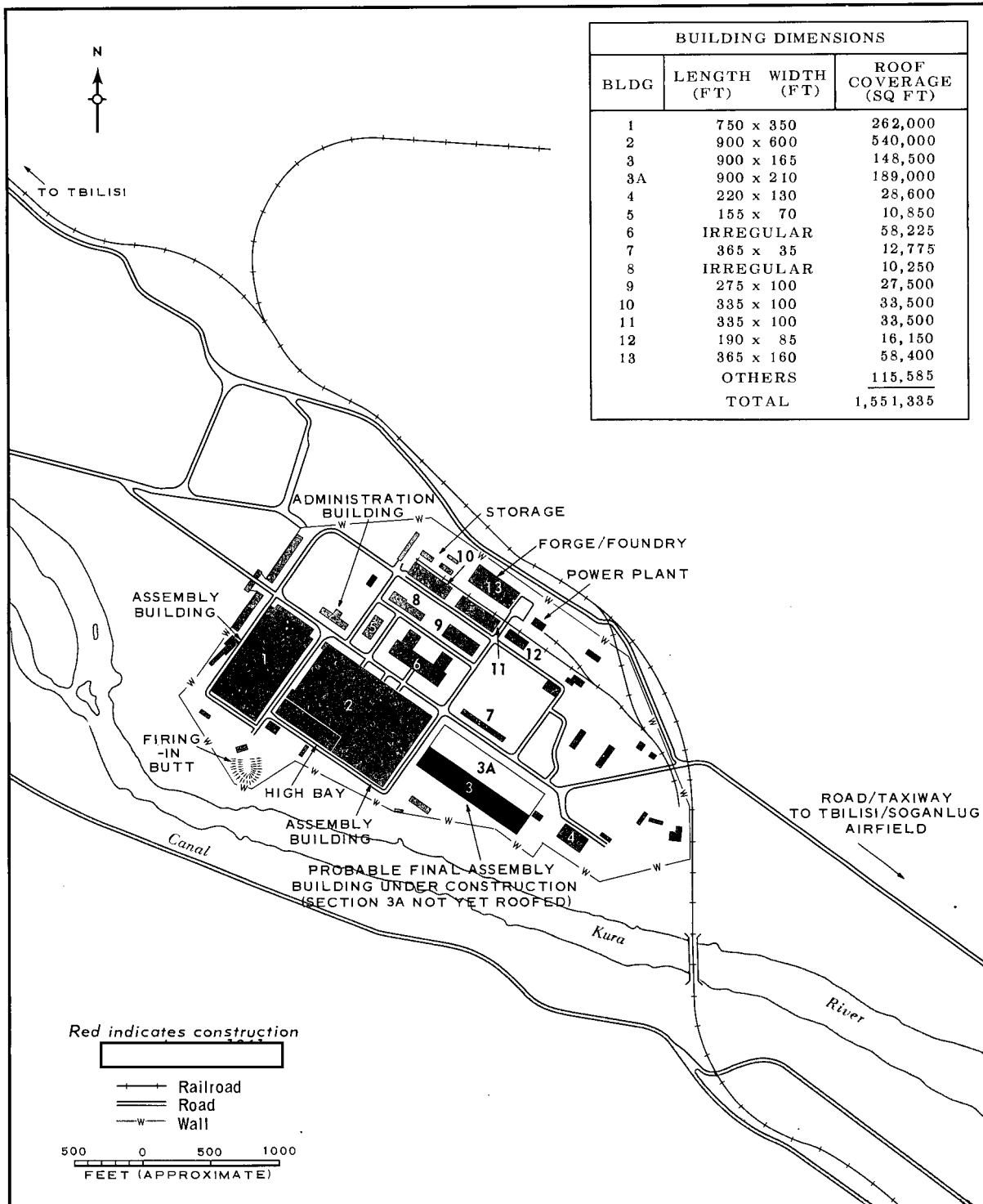


FIGURE 2. USSR: LAYOUT AND ROOF COVERAGE OF AIRCRAFT ASSEMBLY PLANT NO 31 AT TBILISI.

Tbilisi 1-3

TOP SECRET

25X1

TOP SECRET

25X1  
[ ] April 1964

## VORONEZH: SUSPECT ROCKET TEST FACILITY

### PHOTOGRAPHIC CHRONOLOGY

25X1 This installation was first observed on [ ] photography of 25X1  
25X1 [ ] At that time it consisted of a secured  
area containing one large building with two probable firing bays and six  
smaller miscellaneous buildings. Construction activity was evident im- 25X1  
mediately outside the secured area. [ ] photography of [ ] 25X1  
25X1 [ ] revealed a considerable enlargement of the facility and  
additional construction activity. Continuing expansion and construction  
was evident on photography of [ ] 25X1  
25X1 [ ] and the entire secured installation occupied an area  
of about 360 acres. Two new test cells had been added to the original test  
area, and a rail spur, possibly still under construction, could be seen  
entering the area from the southwest. More significantly, a possible  
construction crane or new vertical test stand was visible in the southwestern  
section where one large building (item 8, Figure 2) and several other  
structures had been constructed [ ] 25X1  
Also in the southwestern  
section is another area of construction activity in which two objects can  
be observed which bear some resemblance to a test stand and an associated  
structure under construction.

25X1 Blast marks at two of the firing bays in the original test area can be  
observed on photography [ ]

### EVALUATION

25X1 There is no collateral information or [ ] that reflects the ex-  
istence of the suspect rocket test facility at Voronezh. There is no photo-  
graphic evidence to associate the facility with any other in Voronezh. The  
original test area appeared to be operational [ ] 25X1  
but the first con-  
firmation of operational status is [ ] 25X1  
The quality of the pho-  
tography precludes determination of the purpose of this facility; however,  
the general layout does not follow that of the rocket test facilities of  
Omsk, Perm, Kurumoch, and Krasnoyarsk.

Voronezh 1-1

TOP SECRET

25X1

25X1

Approved For Release 2003/12/19 : CIA-RDP78T04757A000200010018-8

25X1

April 1964



NPIC H-9545 (5/64)

FIGURE 1. USSR: SUSPECT ROCKET TEST FACILITY AT VORONEZH

Voronezh 1-2

Approved For Release 2003/12/19 : CIA-RDP78T04757A000200010018-8

TOP SECRET

25X1

25X1

25X1

April 1964

25X1

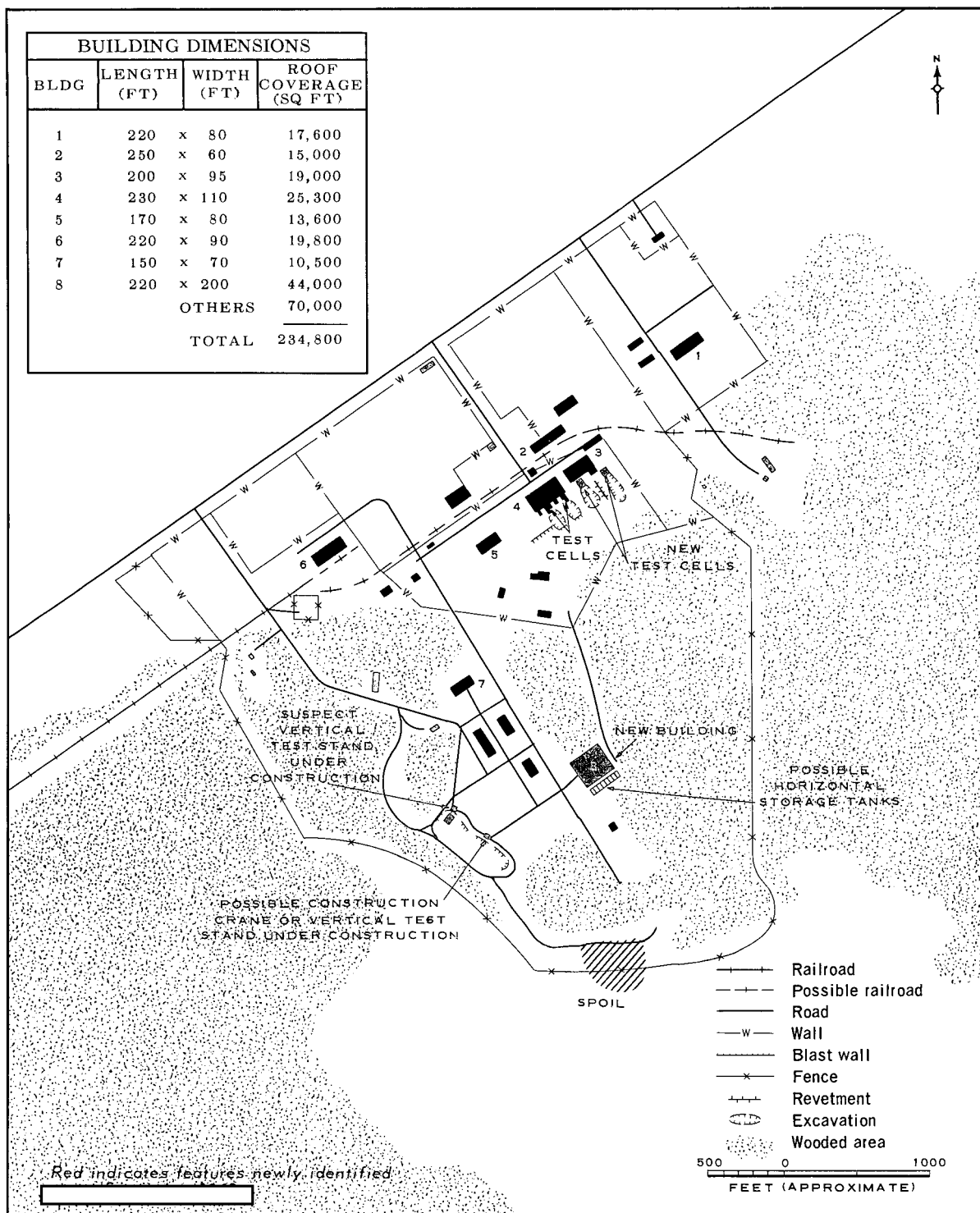


FIGURE 2. USSR: LAYOUT AND ROOF COVERAGE OF SUSPECT ROCKET TEST FACILITY AT VORONEZH.

Voronezh 1-3

TOP SECRET

25X1

TOP SECRET

25X1

April 1964

25X1

ZLATOUST

Section

City of Zlatoust

0

Armaments Plant No 66

1

55-05N 59-43E; [REDACTED]

25X1

Zlatoust 0-1

TOP SECRET

25X1



TOP SECRET

25X1

April 1964

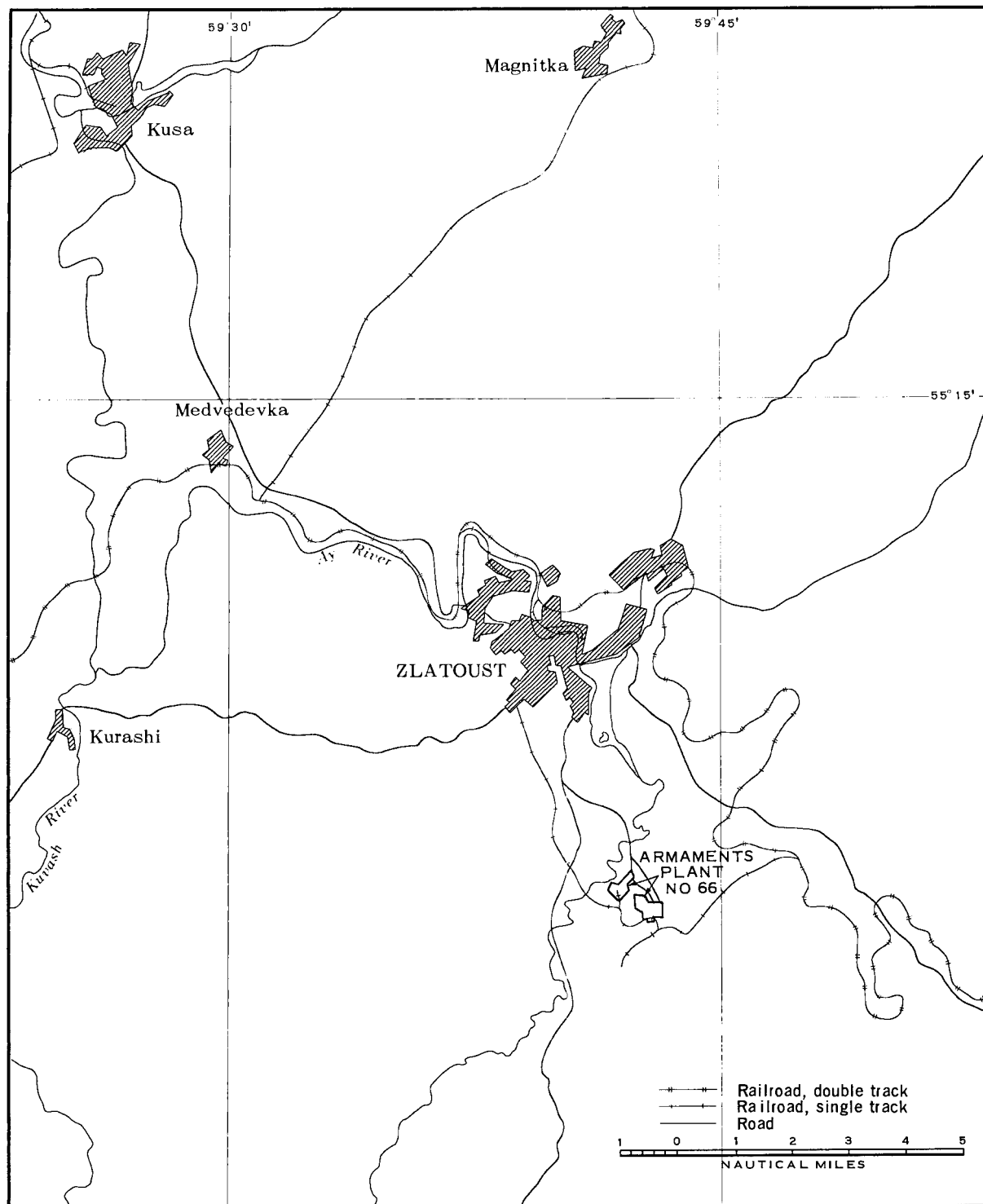


FIGURE 1. USSR: CITY OF ZLATOUST.

NPIC H-9547 (5/64)

Zlatoust 0-2

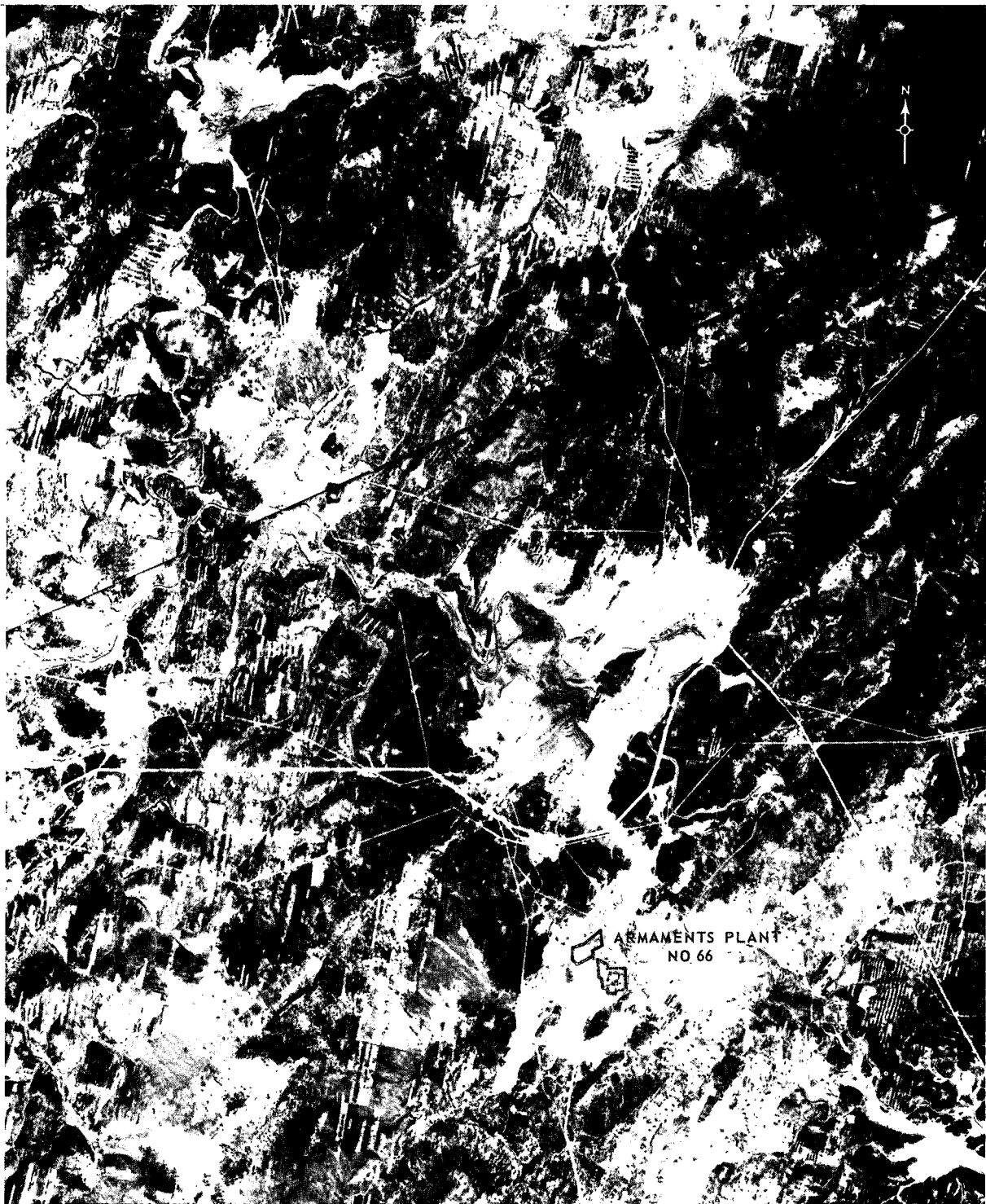
TOP SECRET

25X1

TOP SECRET

April 1964

25X1



NPIC H-9548 (5/64)

FIGURE 2. USSR: CITY OF ZLATOUST

25X1

Zlatoust 0-3

TOP SECRET

25X1

25X1  
[redacted]  
April 1964

## ZLATOUST: ARMAMENTS PLANT NO 66

### PHOTOGRAPHIC CHRONOLOGY

25X1 Zlatoust Armaments Plant No 66 was first seen on [redacted] 25X1  
[redacted] however, few details could be  
discerned because of poor image quality. Subsequent [redacted] 25X1  
25X1 [redacted] the best of which was that of  
[redacted] 25X1  
an addition to an assembly building (item 9, Figure 2), a completed small  
support building, and the completed portion of a possible assembly building  
under construction (item 4) added 139,500 sq ft of roof coverage to the  
plant. The possible assembly building is still in the early stages of  
construction.

### EVALUATION

Zlatoust Plant No 66 and an organization with the telegraphic address  
of GRANIT (believed to be collocated) are involved in production of ballistic  
missiles. GRANIT is believed to produce the SCUD 150-nm missile, but  
present evidence is insufficient to establish the timing or rates of produc-  
tion. There is no evidence associating either organization with programs  
for longer range ballistic missiles.

Zlatoust 1-1

TOP SECRET [redacted] 25X1

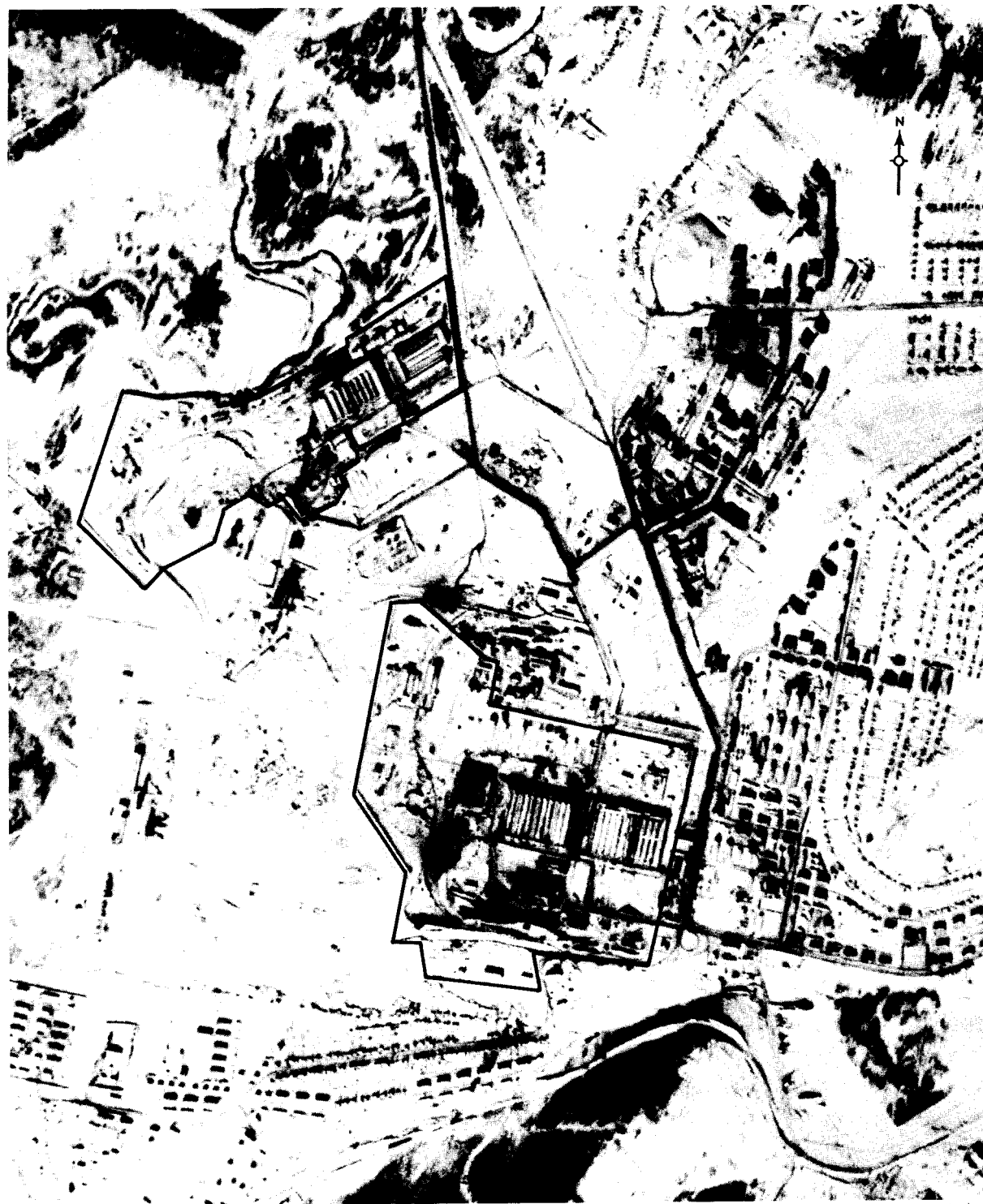
25X1

Approved For Release 2003/12/19 : CIA-RDP78T04757A000200010018-8

TOP SECRET

25X1

April 1964



NPIC H-9549 (5/64)

FIGURE 1. USSR: ARMAMENTS PLANT NO 66 NEAR ZLATOUST

25X1

Zlatoust 1-2

Approved For Release 2003/12/19 : CIA-RDP78T04757A000200010018-8

TOP SECRET

25X1

April 1964

25X1

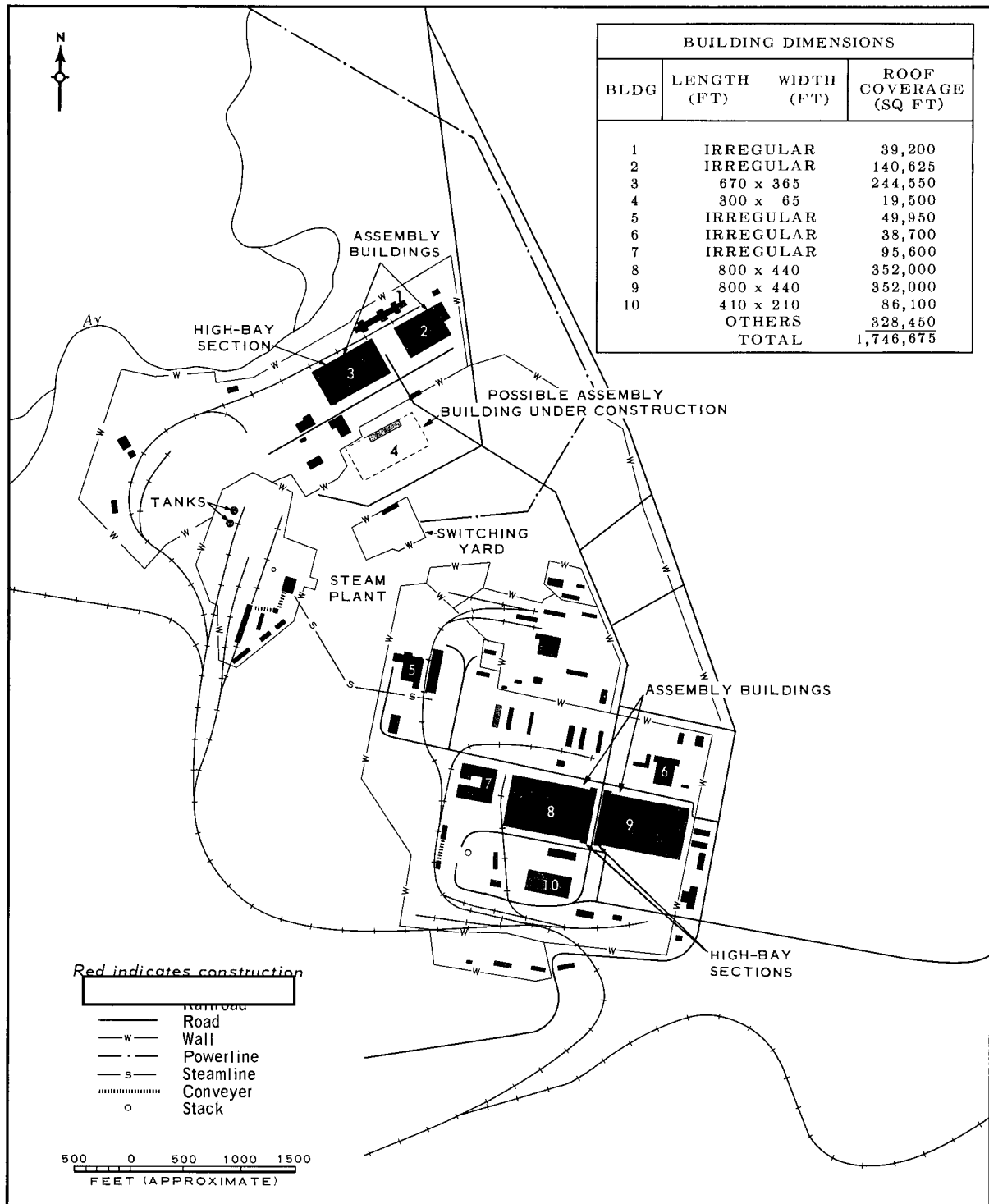


FIGURE 2. USSR: LAYOUT AND ROOF COVERAGE OF ARMAMENTS PLANT NO 66.

NPIC H-9550 (5/64)

Zlatoust 1-3

25X1

Approved For Release 2003/12/19 : CIA-RDP78T04757A000200010018-8

Approved For Release 2003/12/19 : CIA-RDP78T04757A000200010018-8